Start	1163	End	1829
GI	none	Score	160
Exons	1163..1315, 1166..1285, 1283..1390, 1285..1389, 1372..1797, 1391..1816, 1794..1829		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	1357	End	1853
GI	none	Score	795
Exons	1357..1848, 1358..1846, 1359..1853, 1674..1850		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o3.gp	Method	AAT/GAP
Start	1396	End	1849
GI	24570_1.R1084	Score	900
Exons	1396..1849		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	1538	End	1853
GI	none	Score	425
Exons	1538..1843, 1538..1834, 1540..1842, 1674..1853		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98557	Strand	+
Start	5568	End	6025
Name	OJ000126_11.0323.C18.o3.gp	Method	AAT/GAP
Start	5568	End	6025
GI	2231_2.R1084	Score	844
Exons	5568..6025		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98558	Strand	+
Start	6121	End	7009
Name	OJ000126_11.0323.C18.o4.gp	Method	AAT/GAP
Start	6121	End	7009
GI	7587_1.R1084	Score	1675
Exons	6121..7009		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901)		

PSII 43kDa protein [Oryza sativa]'

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98559	Strand	+
Start	7064	End	7445
Name	OJ000126_11.0323.C18.o5.gp	Method	AAT/GAP
Start	7064	End	7445
GI	5607533	Score	605
Exons	7064..7445		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98560	Strand	+
Start	12092	End	12203
Name	OJ000126_11.0323.C18.o8.gp	Method	AAT/GAP
Start	12092	End	12203
GI	1036999	Score	198
Exons	12092..12203		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98561	Strand	+
Start	12277	End	12422
Name	OJ000126_11.0323.C18.o9.gp	Method	AAT/GAP
Start	12277	End	12422
GI	LIB3432-021-P1-K1-A3	Score	213
Exons	12277..12422		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98562	Strand	+
Start	25906	End	26448
Name	OJ000126_11.0323.C18.o12.gp	Method	AAT/GAP
Start	25906	End	26448
GI	42732_1.R1084	Score	1070
Exons	25906..26448		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98563	Strand	+
Start	26489	End	26859
Name	OJ000126_11.0323.C18.o13.gp	Method	AAT/GAP
Start	26489	End	26859
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	26489..26859		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98564	Strand	+
Start	29758	End	29999
Name	OJ000126_11.0323.C18.o16.gp	Method	AAT/GAP
Start	29758	End	29999
GI	5005311	Score	484
Exons	29758..29999		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98565	Strand	-
Start	18	End	1264
Name	OJ000126_11.0323.C18.o1.gp	Method	AAT/GAP
Start	18	End	1264
GI	uC-osflcyp086a01a1	Score	851
Exons	18..208, 1019..1264		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98566	Strand	-
Start	1345	End	1795
Name	OJ000126_11.0323.C18.o2.gp	Method	AAT/GAP
Start	1345	End	1795
GI	uC-osflcyp086a01b1	Score	902
Exons	1345..1795		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98567	Strand	-
Start	7327	End	7785
Name	OJ000126_11.0323.C18.o6.gp	Method	AAT/GAP
Start	7327	End	7785
GI	45273_1.R1084	Score	850
Exons	7327..7785		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98568	Strand	-
Start	14506	End	14636
Name	OJ000126_11.0323.C18.o10.gp	Method	AAT/GAP
Start	14506	End	14636
GI	5607624	Score	215
Exons	14506..14636		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98569	Strand	-
Start	21858	End	21943

Name	OJ000126_11.0323.C18.o11.gp	Method	AAT/GAP
Start	21858	End	21943
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	21858..21943		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98570	Strand	-
Start	27524	End	28564
Name	OJ000126_11.0323.C18.o14.gp	Method	AAT/GAP
Start	27524	End	28564
GI	2721_1.R1084	Score	1986
Exons	27524..28564		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o12.ts	Method	TBLASTX:Soybean
Start	12	End	1135
GI	none	Score	251
Exons	12..251, 13..240, 213..284, 218..310, 222..320, 480..527, 525..575, 533..574, 578..610, 728..835, 749..850, 853..891, 855..893, 904..966, 913..966, 941..1000, 955..1005, 997..1071, 997..1086, 1111..1131, 1112..1135		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o23.tc	Method	TBLASTX:Cress
Start	87	End	274
GI	none	Score	134
Exons	87..272, 87..266, 88..273, 179..274		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o10.tm	Method	TBLASTX:Maize
Start	615	End	1244
GI	none	Score	100
Exons	615..695, 615..710, 616..699, 702..845, 722..889, 755..892, 769..903, 865..1143, 877..1137, 891..1145, 1133..1165, 1166..1216, 1167..1199, 1194..1241, 1200..1244		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o17.tm	Method	TBLASTX:Maize
Start	2341	End	2907

GI	none	Score	208
Exons	2341..2475, 2348..2476, 2349..2477, 2651..2800, 2651..2800, 2652..2801, 2653..2805, 2804..2869, 2805..2867, 2807..2869, 2855..2905, 2855..2905, 2866..2907		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o1.tc	Method	TBLASTX:Cress
Start	2477	End	6862
GI	none	Score	78
Exons	2477..2650, 5421..6257, 5421..5708, 5425..5916, 5763..6359, 5767..6351, 5965..6861, 5972..6862		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o1.tw	Method	TBLASTX:Wheat
Start	2477	End	6597
GI	none	Score	75
Exons	2477..2650, 5964..6257, 5964..6359, 5965..6351, 5965..6498, 5972..6499, 6399..6503, 6405..6518, 6418..6519, 6462..6596, 6478..6597, 6479..6595		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o1.ts	Method	TBLASTX:Soybean
Start	2477	End	6895
GI	none	Score	76
Exons	2477..2650, 5401..6345, 5401..5916, 5750..5917, 5763..6359, 5965..6858, 5972..6895		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o4.tm	Method	TBLASTX:Maize
Start	2477	End	6435
GI	none	Score	77
Exons	2477..2650, 5949..6356, 5950..6345, 5954..6433, 5965..6435, 5972..6433		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o15.ts	Method	TBLASTX:Soybean
Start	2651	End	3388
GI	none	Score	154
Exons	2651..2770, 2653..2754, 3122..3250, 3123..3251, 3123..3248, 3124..3252, 3293..3388		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o27.tm	Method	TBLASTX:Maize
Start	2908	End	3115
GI	none	Score	86

Exons	2908..2976, 2910..2978, 2967..3023, 2977..3042, 2978..3034, 3003..3113, 3008..3115, 3017..3115		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o25.tc	Method	TBLASTX:Cress
Start	3108	End	3388
GI	none	Score	215
Exons	3108..3251, 3121..3264, 3121..3264, 3362..3388, 3362..3388		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o15.tm	Method	TBLASTX:Maize
Start	3460	End	3888
GI	none	Score	95
Exons	3460..3525, 3461..3526, 3462..3527, 3511..3570, 3512..3568, 3516..3590, 3517..3621, 3596..3625, 3626..3742, 3627..3764, 3644..3766, 3722..3784, 3722..3784, 3791..3886, 3791..3871, 3793..3888, 3793..3888		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o10.tw	Method	TBLASTX:Wheat
Start	3565	End	4120
GI	none	Score	57
Exons	3565..3624, 3596..3625, 3614..3706, 3619..3705, 3627..3707, 3627..3710, 3681..3752, 3699..3740, 3701..3790, 3701..3751, 3710..3784, 3726..3797, 3789..3914, 3791..3904, 3883..4077, 3901..4041, 3930..4052, 4001..4087, 4046..4120		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o28.tm	Method	TBLASTX:Maize
Start	3890	End	4130
GI	none	Score	181
Exons	3890..4027, 3901..4026, 3901..4029, 4031..4075, 4034..4087, 4036..4077, 4065..4130, 4067..4120		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o11.tw	Method	TBLASTX:Wheat
Start	4121	End	4494
GI	none	Score	44
Exons	4121..4153, 4124..4171, 4129..4170, 4143..4172, 4163..4219, 4173..4220, 4177..4221, 4178..4222, 4209..4235, 4220..4342, 4221..4346, 4222..4347, 4222..4347, 4345..4362, 4374..4490, 4378..4494, 4378..4494		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o3.ts	Method	TBLASTX:Soybean

Start	4372	End	5193
GI	none	Score	1355
Exons	4372..5193, 4386..5192		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o6.tc	Method	TBLASTX:Cress
Start	4434	End	4806
GI	none	Score	447
Exons	4434..4805, 4434..4805, 4435..4806, 4435..4806		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o8.tm	Method	TBLASTX:Maize
Start	4746	End	5168
GI	none	Score	671
Exons	4746..5168, 4747..5166		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o9.tc	Method	TBLASTX:Cress
Start	4890	End	5219
GI	none	Score	521
Exons	4890..5219, 4894..5217		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o3.tw	Method	TBLASTX:Wheat
Start	4960	End	5403
GI	none	Score	43
Exons	4960..4995, 4980..5402, 4981..5403, 4987..5403		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o5.tm	Method	TBLASTX:Maize
Start	5462	End	5913
GI	none	Score	754
Exons	5462..5713, 5464..5913, 5465..5911		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o7.tw	Method	TBLASTX:Wheat
Start	5565	End	5964
GI	none	Score	578
Exons	5565..5708, 5566..5907, 5567..5962, 5750..5911, 5763..5963, 5767..5964		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o7.tm	Method	TBLASTX:Maize

Start	6435	End	6898
GI	none	Score	668
Exons	6435..6869, 6436..6855, 6436..6870, 6437..6871, 6866..6898, 6867..6896		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o9.tw	Method	TBLASTX:Wheat
Start	6598	End	6961
GI	none	Score	390
Exons	6598..6855, 6600..6896, 6600..6896, 6867..6950, 6889..6960, 6890..6961		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o13.ts	Method	TBLASTX:Soybean
Start	7088	End	7665
GI	none	Score	68
Exons	7088..7144, 7139..7171, 7342..7389, 7433..7657, 7441..7665, 7441..7653		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o11.tm	Method	TBLASTX:Maize
Start	7135	End	7765
GI	none	Score	77
Exons	7135..7224, 7136..7183, 7195..7233, 7322..7420, 7336..7422, 7337..7420, 7341..7439, 7377..7691, 7387..7692, 7421..7693, 7423..7695, 7706..7750, 7711..7749, 7724..7765		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o21.tc	Method	TBLASTX:Cress
Start	7136	End	7665
GI	none	Score	45
Exons	7136..7174, 7215..7283, 7246..7278, 7344..7391, 7344..7373, 7436..7660, 7441..7665, 7441..7653, 7442..7654, 7449..7664		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o30.tm	Method	TBLASTX:Maize
Start	8163	End	8475
GI	none	Score	44
Exons	8163..8189, 8313..8390, 8317..8475, 8319..8474, 8320..8475		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o23.tm	Method	TBLASTX:Maize
Start	9004	End	9276
GI	none	Score	86
Exons	9004..9072, 9005..9094, 9054..9158, 9062..9199, 9062..9202,		

9064..9243, 9191..9274, 9192..9275, 9193..9276, 9193..9276

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o26.tm	Method	TBLASTX:Maize
Start	10211	End	10414
GI	none	Score	106
Exons	10211..10285, 10213..10284, 10271..10414, 10279..10404		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o26.tc	Method	TBLASTX:Cress
Start	11269	End	11406
GI	none	Score	191
Exons	11269..11406, 11269..11406		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o24.tm	Method	TBLASTX:Maize
Start	11275	End	11541
GI	none	Score	250
Exons	11275..11439, 11275..11457, 11276..11458, 11298..11465, 11503..11541		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o17.ts	Method	TBLASTX:Soybean
Start	12037	End	12334
GI	none	Score	60
Exons	12037..12144, 12166..12195, 12206..12334, 12212..12322		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o27.tc	Method	TBLASTX:Cress
Start	12050	End	12376
GI	none	Score	41
Exons	12050..12100, 12053..12100, 12098..12169, 12166..12213, 12203..12349, 12205..12324, 12215..12376		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o6.tm	Method	TBLASTX:Maize
Start	12127	End	12699
GI	none	Score	79
Exons	12127..12168, 12128..12169, 12143..12214, 12162..12209, 12199..12375, 12203..12376, 12207..12383, 12352..12582, 12354..12581, 12373..12582, 12412..12465, 12414..12461, 12574..12618, 12577..12621, 12604..12693, 12610..12699, 12650..12697		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18

Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o13.tw	Method	TBLASTX:Wheat
Start	12166	End	12364
GI	none	Score	50
Exons	12166..12213, 12167..12214, 12203..12364, 12205..12324, 12215..12358		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o12.tw	Method	TBLASTX:Wheat
Start	12412	End	12996
GI	none	Score	73
Exons	12412..12483, 12413..12484, 12481..12504, 12482..12502, 12505..12585, 12516..12581, 12517..12648, 12556..12636, 12732..12818, 12740..12835, 12745..12822, 12800..12868, 12813..12854, 12947..12988, 12949..12996		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o16.ts	Method	TBLASTX:Soybean
Start	13068	End	13205
GI	none	Score	128
Exons	13068..13196, 13083..13205		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o13.tc	Method	TBLASTX:Cress
Start	14558	End	15128
GI	none	Score	38
Exons	14558..14593, 14563..14592, 14610..14684, 14610..14684, 14611..14685, 14735..15007, 14743..15009, 14743..15006, 14745..15008, 15010..15126, 15011..15121, 15021..15128, 15021..15128		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o11.ts	Method	TBLASTX:Soybean
Start	14605	End	15008
GI	none	Score	52
Exons	14605..14709, 14622..14696, 14624..14719, 14713..15006, 14715..15008		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o12.tm	Method	TBLASTX:Maize
Start	14623	End	15021
GI	none	Score	542
Exons	14623..15021, 14625..15020		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-

Start	28602	End	29998
Name	OJ000126_11.0323.C18.o19.tm	Method	TBLASTX:Maize
Start	15022	End	15215
GI	none	Score	304
Exons	15022..15207, 15024..15212, 15024..15215		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o14.tc	Method	TBLASTX:Cress
Start	15208	End	15568
GI	none	Score	418
Exons	15208..15516, 15210..15524, 15224..15532, 15392..15532, 15528..15566, 15530..15568		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o7.ts	Method	TBLASTX:Soybean
Start	15250	End	16080
GI	none	Score	366
Exons	15250..15519, 15252..15524, 15254..15532, 15255..15527, 15392..15547, 15477..15653, 15526..15654, 15528..15659, 15559..15654, 15654..15803, 15655..15810, 15677..15820, 15824..16078, 15836..16078, 15849..16079, 15862..16080		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o18.tc	Method	TBLASTX:Cress
Start	15569	End	15935
GI	none	Score	88
Exons	15569..15649, 15569..15616, 15576..15653, 15576..15659, 15577..15693, 15633..15815, 15654..15803, 15658..15816, 15659..15820, 15677..15820, 15824..15931, 15824..15931, 15849..15935, 15877..15933		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o29.tc	Method	TBLASTX:Cress
Start	15956	End	16203
GI	none	Score	49
Exons	15956..16006, 15966..16007, 15978..16013, 16008..16097, 16008..16049, 16009..16101, 16010..16087, 16098..16130, 16129..16203, 16161..16202		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o8.ts	Method	TBLASTX:Soybean
Start	16177	End	16721
GI	none	Score	227
Exons	16177..16356, 16185..16337, 16187..16357, 16200..16367, 16319..16501, 16334..16501, 16338..16523, 16494..16532, 16543..16680, 16547..16699, 16547..16681, 16548..16721, 16554..16718		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o19.tc	Method	TBLASTX:Cress
Start	16268	End	16463
GI	none	Score	175
Exons	16268..16462, 16268..16462, 16269..16463		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o10.ts	Method	TBLASTX:Soybean
Start	16921	End	17336
GI	none	Score	105
Exons	16921..17148, 16926..17150, 16928..17146, 17165..17293, 17165..17299, 17169..17303, 17170..17313, 17300..17335, 17301..17336		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o25.tm	Method	TBLASTX:Maize
Start	17114	End	17717
GI	none	Score	153
Exons	17114..17353, 17169..17456, 17526..17717		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o20.tc	Method	TBLASTX:Cress
Start	17169	End	17726
GI	none	Score	155
Exons	17169..17456, 17207..17353, 17526..17726, 17618..17725		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o6.ts	Method	TBLASTX:Soybean
Start	17639	End	18455
GI	none	Score	437
Exons	17639..17851, 17640..17972, 17712..17999, 17827..18000, 17981..18100, 17998..18450, 18000..18455, 18001..18450, 18041..18454		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o12.tc	Method	TBLASTX:Cress
Start	17739	End	18138
GI	none	Score	323
Exons	17739..17978, 17745..17978, 17836..18000, 18007..18138, 18009..18137, 18010..18138		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998

Name	OJ000126_11.0323.C18.o22.tc	Method	TBLASTX:Cress
Start	18433	End	18714
GI	none	Score	270
Exons	18433..18714, 18441..18659		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o14.ts	Method	TBLASTX:Soybean
Start	18540	End	18993
GI	none	Score	43
Exons	18540..18599, 18571..18600, 18601..18726, 18601..18675, 18697..18801, 18714..18953, 18723..18908, 18736..18948, 18949..18993, 18952..18990		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o11.tc	Method	TBLASTX:Cress
Start	18803	End	19224
GI	none	Score	52
Exons	18803..18850, 18804..18908, 18820..19224, 18859..19224		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o3.tc	Method	TBLASTX:Cress
Start	19236	End	19980
GI	none	Score	377
Exons	19236..19667, 19236..19676, 19237..19683, 19321..19677, 19730..19978, 19744..19980, 19746..19979		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o9.ts	Method	TBLASTX:Soybean
Start	19510	End	19952
GI	none	Score	218
Exons	19510..19677, 19526..19675, 19545..19676, 19718..19948, 19728..19865, 19735..19950, 19746..19952		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o20.tm	Method	TBLASTX:Maize
Start	19621	End	19954
GI	none	Score	82
Exons	19621..19677, 19623..19676, 19718..19954, 19728..19865, 19735..19953		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o2.ts	Method	TBLASTX:Soybean
Start	19953	End	22913
GI	none	Score	99
Exons	19953..20027, 19957..20031, 19960..20031, 20156..20203,		

20160..20204, 20222..20254, 20252..20959, 20253..20612,
20254..20961, 20955..21080, 20956..21105, 20957..21085,
21092..21844, 21105..21845, 21106..21852, 21316..21846,
21849..21905, 21852..22001, 21859..22002, 21860..22063,
21971..22141, 21996..22139, 22012..22140, 22567..22767,
22567..22797, 22568..22780, 22735..22848, 22772..22846,
22776..22913, 22798..22857

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o22.tm	Method	TBLASTX:Maize
Start	19956	End	20452
GI	none	Score	140
Exons	19956..20057, 19957..20061, 19957..20058, 20156..20203, 20160..20204, 20222..20254, 20252..20452, 20254..20451		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o28.tc	Method	TBLASTX:Cress
Start	19992	End	20344
GI	none	Score	81
Exons	19992..20057, 19993..20049, 20165..20215, 20169..20216, 20255..20344, 20257..20343		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o8.tc	Method	TBLASTX:Cress
Start	20347	End	20740
GI	none	Score	595
Exons	20347..20739, 20348..20740		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o5.tw	Method	TBLASTX:Wheat
Start	21040	End	21484
GI	none	Score	634
Exons	21040..21483, 21041..21484, 21041..21484		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o10.tc	Method	TBLASTX:Cress
Start	21185	End	21601
GI	none	Score	387
Exons	21185..21595, 21186..21596, 21186..21599, 21191..21601, 21316..21600		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o15.tc	Method	TBLASTX:Cress
Start	21615	End	22131
GI	none	Score	225

Exons	21615..21824, 21616..21834, 21617..21853, 21617..21838, 21875..22129, 21940..22122, 21985..22131		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o21.tm	Method	TBLASTX:Maize
Start	22111	End	22527
GI	none	Score	138
Exons	22111..22233, 22118..22258, 22120..22233, 22127..22234, 22130..22204, 22131..22178, 22132..22203, 22148..22204, 22154..22264, 22158..22256, 22162..22209, 22163..22258, 22163..22264, 22167..22268, 22193..22267, 22196..22255, 22200..22286, 22200..22307, 22221..22307, 22239..22295, 22242..22295, 22248..22346, 22248..22295, 22248..22346, 22248..22295, 22290..22454, 22290..22454, 22296..22451, 22314..22469, 22317..22451, 22325..22369, 22332..22472, 22332..22355, 22353..22385, 22359..22424, 22373..22417, 22374..22424, 22376..22453, 22377..22463, 22382..22426, 22410..22472, 22420..22455, 22430..22468, 22433..22471, 22450..22527		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o2.tm	Method	TBLASTX:Maize
Start	22473	End	23280
GI	none	Score	46
Exons	22473..22511, 22536..22589, 22538..22780, 22564..22773, 22638..22781, 22768..22869, 22772..22975, 22778..22867, 22779..22973, 22933..23280, 22943..22975, 22956..23279		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o24.tc	Method	TBLASTX:Cress
Start	22515	End	22797
GI	none	Score	66
Exons	22515..22622, 22538..22780, 22538..22780, 22567..22797		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o2.tw	Method	TBLASTX:Wheat
Start	22736	End	23353
GI	none	Score	189
Exons	22736..22864, 22771..22938, 22772..22966, 22773..22940, 22933..23352, 22933..23319, 22956..23351, 22982..23353		
Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o16.tc	Method	TBLASTX:Cress
Start	22811	End	23517
GI	none	Score	55
Exons	22811..22846, 22845..22934, 22853..22930, 22930..23187, 22956..23168, 23012..23215, 23181..23285, 23181..23288,		

23182..23517, 23182..23313, 23371..23508, 23373..23516

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o2.tc	Method	TBLASTX:Cress
Start	23587	End	24732
GI	none	Score	47
Exons	23587..23643, 23595..23687, 23749..23805, 23752..23796, 23800..23874, 23808..23864, 23886..24611, 23887..24618, 24415..24618, 24539..24637, 24676..24732, 24678..24731		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o4.ts	Method	TBLASTX:Soybean
Start	23722	End	24797
GI	none	Score	143
Exons	23722..23877, 23743..23877, 23886..24263, 23886..24611, 23887..24678, 24547..24675, 24548..24679, 24658..24720, 24665..24733, 24665..24733, 24678..24737, 24690..24797		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o29.tm	Method	TBLASTX:Maize
Start	23992	End	24129
GI	none	Score	215
Exons	23992..24129, 23992..24129		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o14.tm	Method	TBLASTX:Maize
Start	24318	End	24612
GI	none	Score	67
Exons	24318..24407, 24326..24373, 24354..24611, 24354..24611, 24355..24612, 24412..24612		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o6.tw	Method	TBLASTX:Wheat
Start	24369	End	24777
GI	none	Score	632
Exons	24369..24776, 24373..24777, 24412..24777		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o9.tm	Method	TBLASTX:Maize
Start	24613	End	25273
GI	none	Score	276
Exons	24613..24786, 24614..24784, 24781..24813, 24782..24814, 24783..24821, 24819..24860, 24825..24860, 24868..24933, 24868..24933, 24919..24963, 24925..25017, 24933..24995, 24935..25018, 25057..25233, 25067..25252, 25070..25252,		

25247..25273, 25247..25273

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o7.tc	Method	TBLASTX:Cress
Start	24932	End	25554
GI	none	Score	35
Exons	24932..24952, 24933..24950, 25067..25441, 25069..25443, 25070..25444, 25439..25552, 25441..25554		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o5.ts	Method	TBLASTX:Soybean
Start	24934	End	29997
GI	none	Score	530
Exons	24934..24957, 25065..25763, 25067..25756, 25069..25785, 25070..25780, 25338..25790, 25796..25837, 26021..26770, 26022..26621, 26676..26771, 27403..27465, 27490..27558, 27535..27822, 27548..27820, 27680..27826, 27847..27915, 28251..28430, 28255..28431, 28255..28431, 28260..28433, 28511..28534, 28522..28581, 28524..28595, 28527..28580, 28528..28581, 28587..28640, 28588..28641, 28591..28638, 28626..28679, 28628..28711, 28648..28719, 28672..28716, 28719..28778, 28738..28785, 28738..28779, 28807..28875, 28810..28881, 28817..28876, 28966..28983, 29065..29106, 29072..29101, 29142..29642, 29146..29640, 29662..29697, 29713..29997, 29713..29997		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o13.tm	Method	TBLASTX:Maize
Start	25274	End	25558
GI	none	Score	475
Exons	25274..25558, 25274..25558		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o5.tc	Method	TBLASTX:Cress
Start	26010	End	26522
GI	none	Score	58
Exons	26010..26060, 26017..26058, 26048..26497, 26061..26522, 26063..26521		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o16.tm	Method	TBLASTX:Maize
Start	26417	End	26679
GI	none	Score	327
Exons	26417..26677, 26417..26623, 26419..26679, 26452..26679		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-

Start	28602	End	29998
Name	OJ000126_11.0323.C18.o18.tm	Method	TBLASTX:Maize
Start	26680	End	27023
GI	none	Score	172
Exons	26680..26802, 26681..26797, 26685..26801, 26686..26802, 26789..26923, 26795..26938, 26797..26967, 26814..26951, 26932..26955, 26954..26995, 26955..26996, 26998..27021, 27000..27023		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o3.tm	Method	TBLASTX:Maize
Start	27110	End	28045
GI	none	Score	186
Exons	27110..27277, 27125..27154, 27147..27278, 27254..27334, 27287..27385, 27316..27387, 27326..27388, 27362..27454, 27387..27458, 27388..27459, 27390..27458, 27463..27504, 27463..27501, 27490..27546, 27491..27547, 27500..27547, 27508..27549, 27528..27614, 27539..27910, 27541..27909, 27679..27933, 27917..27961, 27919..27963, 27947..28045, 27960..28043, 27962..28045		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o17.tc	Method	TBLASTX:Cress
Start	27514	End	27820
GI	none	Score	328
Exons	27514..27810, 27515..27820, 27680..27820		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o1.tm	Method	TBLASTX:Maize
Start	28048	End	29714
GI	none	Score	200
Exons	28048..28212, 28048..28149, 28140..28172, 28185..28499, 28197..28499, 28198..28500, 28205..28501, 28459..28584, 28469..28582, 28471..28584, 28584..28676, 28585..28701, 28585..28713, 28592..28723, 28663..28809, 28705..28809, 28719..28814, 28802..28879, 28803..28883, 28810..28887, 28840..28950, 28843..28956, 28871..28972, 28894..29109, 28930..29055, 28955..29101, 29058..29144, 29112..29642, 29131..29652, 29371..29652, 29647..29700, 29647..29706, 29652..29714		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o4.tc	Method	TBLASTX:Cress
Start	28314	End	29998
GI	none	Score	129
Exons	28314..28412, 28323..28412, 29238..29612, 29238..29642, 29239..29649, 29716..29997, 29737..29997, 29738..29998		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18

Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o8.tw	Method	TBLASTX:Wheat
Start	28431	End	28908
GI	none	Score	183
Exons	28431..28547, 28432..28551, 28432..28551, 28548..28595, 28548..28586, 28584..28676, 28585..28707, 28586..28708, 28682..28792, 28710..28793, 28711..28794, 28711..28791, 28791..28877, 28794..28874, 28795..28881, 28804..28908, 28871..28906		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o15.gp	Method	AAT/GAP
Start	28602	End	29147
GI	2135_1.R1084	Score	1072
Exons	28602..29147		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o4.tw	Method	TBLASTX:Wheat
Start	29130	End	29575
GI	none	Score	120
Exons	29130..29216, 29131..29214, 29144..29224, 29148..29216, 29220..29570, 29222..29560, 29225..29575		

Seq. No.	46432	Seq. ID	OJ000126_11.0323.C18
Gene No.	98571	Strand	-
Start	28602	End	29998
Name	OJ000126_11.0323.C18.o31.tm	Method	TBLASTX:Maize
Start	29758	End	29994
GI	none	Score	199
Exons	29758..29994		

Seq. No.	46433	Seq. ID	OJ000306_12.0330.C5
Gene No.	98572	Strand	-
Start	80	End	251
Name	OJ000306_12.0330.C5.o1.np	Method	AAT/NAP
Start	80	End	251
GI	6063554	Score	99
Exons	80..251		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+
Start	1	End	3300
Name	OJ000306_12.0330.C6.o1.np	Method	AAT/NAP
Start	1	End	2416
GI	7452458	Score	341
Exons	1..105, 181..287, 373..454, 549..675, 742..1295, 1595..1715, 1791..1942, 2012..2086, 2260..2416		

GI Descrip.	hypothetical protein T16L1.120 - Arabidopsis thaliana gi|3549665|emb|CAA20576.1| (AL031394) hypothetical protein [Arabidopsis thaliana] gi|7270311|emb|CAB80080.1| (AL161583) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+
Start	1	End	3300
Name	OJ000306_12.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	180	End	3250
GI	none	Score	189
Exons	180..287, 181..288, 370..456, 371..457, 371..457, 570..698, 571..981, 571..831, 768..983, 999..1301, 1015..1290, 1019..1303, 1585..1716, 1586..1717, 1592..1717, 1789..1938, 1790..1945, 1790..1942, 2009..2095, 2011..2082, 2272..2352, 2272..2352, 3092..3250, 3092..3250		
Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+
Start	1	End	3300
Name	OJ000306_12.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	213	End	1927
GI	none	Score	82
Exons	213..287, 214..288, 365..457, 370..456, 374..457, 657..1043, 933..1088, 1031..1075, 1056..1301, 1102..1140, 1205..1297, 1239..1313, 1625..1717, 1786..1863, 1790..1873, 1861..1926, 1862..1927		
Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+
Start	1	End	3300
Name	OJ000306_12.0330.C6.o1.gp	Method	AAT/GAP
Start	422	End	1715
GI	32619_1.R1084	Score	1657
Exons	422..454, 573..1295, 1595..1715		
GI Descrip.	'5668762/gb|AAD45989.1|AC005916_1 3.0e-27 (AC005916) EST gb_N65787 comes from this gene. [Arabidopsis thaliana]'		
Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+
Start	1	End	3300
Name	OJ000306_12.0330.C6.o1.gs	Method	GENSCAN
Start	582	End	3196
GI	none	Score	.71
Exons	582..1295, 1595..1715, 1791..1942, 2012..2086, 2260..2352, 3095..3196		
Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+
Start	1	End	3300
Name	OJ000306_12.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	792	End	1187
GI	none	Score	474
Exons	792..1187, 798..1187		
Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+

Start	1	End	3300
Name	OJ000306_12.0330.C6.o2.tw	Method	TBLASTX:Wheat
Start	1213	End	1909
GI	none	Score	88
Exons	1213..1290, 1214..1294, 1214..1303, 1215..1301, 1576..1716, 1585..1716, 1586..1717, 1592..1717, 1789..1905, 1790..1909		

Seq. No.	46434	Seq. ID	OJ000306_12.0330.C6
Gene No.	98573	Strand	+
Start	1	End	3300
Name	OJ000306_12.0330.C6.o2.gp	Method	AAT/GAP
Start	2236	End	3300
GI	LIB3431-063-P1-K1-D9	Score	562
Exons	2236..2352, 3095..3300		
GI Descrip.	'3549665/emb|CAA20576.1| 1.0e-12 (AL031394) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98574	Strand	+
Start	19135	End	23546
Name	OJ000306_12.0330.C7.o4.np	Method	AAT/NAP
Start	19135	End	23546
GI	7488256	Score	858
Exons	19135..19227, 19793..19930, 20107..20322, 22275..22730, 23282..23546		
GI Descrip.	protein kinase homolog F24O1.13 - Arabidopsis thaliana gi|2781357|gb|AAB96858.1| (AC003113) F24O1.13 [Arabidopsis thaliana]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98575	Strand	+
Start	25991	End	29090
Name	OJ000306_12.0330.C7.o2.gp	Method	AAT/GAP
Start	25991	End	29090
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	25991..26041, 29047..29090		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98575	Strand	+
Start	25991	End	29090
Name	OJ000306_12.0330.C7.o8.gs	Method	GENSCAN
Start	26077	End	28781
GI	none	Score	.73
Exons	26077..26231, 26364..26408, 26553..26647, 28663..28781		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98576	Strand	+
Start	29437	End	41245
Name	OJ000306_12.0330.C7.o3.gp	Method	AAT/GAP
Start	29404	End	31223
GI	none	Score	1017
Exons	29404..29470, 30062..30261, 30357..30405, 30876..31051, 31136..31223		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98576	Strand	+
Start	29437	End	41245
Name	OJ000306_12.0330.C7.o9.gs	Method	GENSCAN
Start	29437	End	40895
GI	none	Score	.62
Exons	29437..29470, 30062..30261, 30357..30405, 30876..31051, 31136..31319, 31427..31576, 31783..31854, 31965..32103, 32229..32457, 33566..33641, 34756..34899, 35462..35587, 36598..36779, 37058..37144, 37244..37369, 38219..38368, 38604..38671, 38751..38895, 38943..39047, 40836..40895		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98576	Strand	+
Start	29437	End	41245
Name	OJ000306_12.0330.C7.o5.np	Method	AAT/NAP
Start	30046	End	32176
GI	6165614	Score	66
Exons	30046..30261, 32153..32176		
GI Descrip.	(AF097512) peroxisomal protein; PEX14 [Mus musculus]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98576	Strand	+
Start	29437	End	41245
Name	OJ000306_12.0330.C7.o4.gp	Method	AAT/GAP
Start	35456	End	37335
GI	45537_1.R1084	Score	918
Exons	35456..35587, 36598..36779, 37058..37144, 37244..37335		
GI Descrip.	'4581856/gb|AAD24768.1|AF116825_1 1.0e-44 (AF116825) 1-deoxy-D-xylulose-5-phosphate reductoisomerase [Mentha x piperita]'		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98576	Strand	+
Start	29437	End	41245
Name	OJ000306_12.0330.C7.o6.np	Method	AAT/NAP
Start	36708	End	41001
GI	4886307	Score	1633
Exons	36708..36779, 37058..37144, 37244..37369, 37452..37514, 38219..38368, 38604..38671, 38751..38862, 38943..39047, 39217..39338, 39836..39982, 40836..41001		
GI Descrip.	(AJ242588) 1-deoxy-d-xylulose-5-phosphate reductoisomerase [Arabidopsis thaliana]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98576	Strand	+
Start	29437	End	41245
Name	OJ000306_12.0330.C7.o5.gp	Method	AAT/GAP
Start	38601	End	41245
GI	3387_1.R1084	Score	1757
Exons	38601..38671, 38751..38862, 38943..39047, 39217..39338, 39836..39982, 40836..41245		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98577	Strand	-

Start	479	End	3547
Name	OJ000306_12.0330.C7.o1.gs	Method	GENSCAN
Start	479	End	3299
GI	none	Score	.79
Exons	479..1159, 1508..1652, 2135..2271, 2761..2877, 3063..3299		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98577	Strand	-
Start	479	End	3547
Name	OJ000306_12.0330.C7.o1.np	Method	AAT/NAP
Start	491	End	3547
GI	7486402	Score	1120
Exons	491..1159, 1304..1652, 2135..2253, 3475..3547		
GI Descrip.	hypothetical protein F4D11.10 - Arabidopsis thaliana gi|3063691|emb|CAA18582.1| (AL022537) putative protein [Arabidopsis thaliana] gi|7270226|emb|CAB79996.1| (AL161582) putative protein [Arabidopsis thaliana]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98578	Strand	-
Start	4171	End	7249
Name	OJ000306_12.0330.C7.o3.np	Method	AAT/NAP
Start	4171	End	6106
GI	4249416	Score	519
Exons	4171..4287, 5178..5246, 5275..6106		
GI Descrip.	(AC006072) putative exonuclease [Arabidopsis thaliana]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98578	Strand	-
Start	4171	End	7249
Name	OJ000306_12.0330.C7.o2.gs	Method	GENSCAN
Start	5156	End	6142
GI	none	Score	.95
Exons	5156..6142		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98578	Strand	-
Start	4171	End	7249
Name	OJ000306_12.0330.C7.o2.np	Method	AAT/NAP
Start	5297	End	7249
GI	6324493	Score	211
Exons	5297..5579, 5622..5861, 7219..7249		
GI Descrip.	Rex4p gi|2132011|pir||S66773 hypothetical protein YOL080c - yeast (Saccharomyces cerevisiae) gi|1419913|emb|CAA99090.1| (Z74822) ORF YOL080c [Saccharomyces cerevisiae]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98579	Strand	-
Start	41360	End	44144
Name	OJ000306_12.0330.C7.o10.gs	Method	GENSCAN
Start	41360	End	44073
GI	none	Score	.59
Exons	41360..41421, 41707..41869, 43268..43275, 43601..43660, 43766..43816, 43914..44073		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98579	Strand	-

Start	41360	End	44144
Name	OJ000306_12.0330.C7.o6.gp	Method	AAT/GAP
Start	41454	End	44144
GI	14933_1.R1084	Score	1552
Exons	41454..41869, 41955..42026, 43601..43660, 43766..43816, 43914..44144		
GI Descrip.	'4769004/gb|AAD29715.1|AF140598_1 9.0e-52 (AF140598) ring-box protein 1 [Homo sapiens] >gi_4769006_gb_AAD29716.1_AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] >gi_4809216_gb_AAD30146.1_AF142059_1 (AF142059) RING finger protein [Homo sapiens]'		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98579	Strand	-
Start	41360	End	44144
Name	OJ000306_12.0330.C7.o7.np	Method	AAT/NAP
Start	41835	End	44019
GI	4769004	Score	397
Exons	41835..41869, 41955..42026, 43601..43660, 43766..43816, 43914..44019		
GI Descrip.	(AF140598) ring-box protein 1 [Homo sapiens] gi|4769006|gb|AAD29716.1|AF140599_1 (AF140599) ring-box protein 1 [Mus musculus] gi|4809216|gb|AAD30146.1|AF142059_1 (AF142059) RING finger protein [Homo sapiens] gi|6572304|emb|CAB62925.1| (AL080242) bA554C12.1 (RBX1 or ROC1 (ring-box or ring finger protein 1)) [Homo sapiens]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	485	End	850
GI	none	Score	236
Exons	485..850, 501..821, 509..850		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o2.ts	Method	TBLASTX:Soybean
Start	500	End	820
GI	none	Score	91
Exons	500..592, 501..587, 587..814, 594..815, 644..820		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	590	End	1006
GI	none	Score	106
Exons	590..778, 603..776, 758..865, 768..818, 860..1006, 873..1001		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o10.tm	Method	TBLASTX:Maize
Start	602	End	847
GI	none	Score	104

Exons	602..847, 603..818		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o5.ts	Method	TBLASTX:Soybean
Start	887	End	1654
GI	none	Score	46
Exons	887..1006, 1079..1159, 1304..1654, 1305..1367, 1464..1622		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o6.tm	Method	TBLASTX:Maize
Start	975	End	1468
GI	none	Score	216
Exons	975..1160, 975..1076, 977..1159, 982..1194, 1302..1412, 1304..1414, 1304..1417, 1412..1468		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o4.tc	Method	TBLASTX:Cress
Start	1296	End	1627
GI	none	Score	54
Exons	1296..1616, 1304..1627, 1305..1394, 1425..1622		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o3.ts	Method	TBLASTX:Soybean
Start	5465	End	5858
GI	none	Score	99
Exons	5465..5836, 5613..5858		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o4.tm	Method	TBLASTX:Maize
Start	5912	End	6133
GI	none	Score	166
Exons	5912..6133, 5913..6089		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o6.ts	Method	TBLASTX:Soybean
Start	5918	End	6148
GI	none	Score	99
Exons	5918..6148, 5919..6089		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o5.tm	Method	TBLASTX:Maize
Start	19998	End	20190
GI	none	Score	302

Exons	19998..20183, 19999..20190		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	20104	End	23428
GI	none	Score	96
Exons	20104..20229, 20203..20319, 22266..22730, 22274..22357, 22406..22720, 22575..22751, 23279..23428		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o3.tc	Method	TBLASTX:Cress
Start	22283	End	22685
GI	none	Score	419
Exons	22283..22681, 22284..22685, 22410..22682		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o2.tw	Method	TBLASTX:Wheat
Start	22311	End	23401
GI	none	Score	211
Exons	22311..22544, 22319..22543, 22550..22594, 22560..22661, 22628..22663, 23288..23401		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	22437	End	23894
GI	none	Score	488
Exons	22437..22730, 22438..22764, 22439..22750, 22749..22772, 23276..23452, 23277..23444, 23281..23451, 23512..23532, 23513..23536, 23513..23536, 23544..23576, 23545..23622, 23627..23764, 23656..23697, 23775..23894, 23776..23883		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o8.tm	Method	TBLASTX:Maize
Start	30043	End	30262
GI	none	Score	256
Exons	30043..30249, 30059..30262, 30063..30251		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o8.ts	Method	TBLASTX:Soybean
Start	30084	End	30263
GI	none	Score	228
Exons	30084..30263, 30085..30261		
Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-

Start	45074	End	49879
Name	OJ000306_12.0330.C7.o9.tm	Method	TBLASTX:Maize
Start	31114	End	32393
GI	none	Score	43
Exons	31114..31173, 31114..31317, 31121..31318, 31137..31319, 31255..31320, 31424..31510, 31425..31514, 31426..31518, 31498..31575, 31650..31682, 31926..32018, 32118..32174, 32312..32389, 32313..32393		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	35331	End	41023
GI	none	Score	295
Exons	35331..35384, 35364..35504, 35496..35564, 36596..36778, 36597..36779, 36597..36779, 37033..37155, 37046..37147, 37220..37375, 37232..37375, 37243..37377, 37451..37534, 37452..37514, 38216..38386, 38216..38377, 38551..38583, 38587..38673, 38603..38671, 38733..38873, 38749..38862, 38928..39053, 38934..39047, 38989..39051, 39187..39339, 39210..39341, 39213..39338, 39831..39983, 39831..39983, 40806..41006, 40834..41004, 40874..41023		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o4.ts	Method	TBLASTX:Soybean
Start	36633	End	40986
GI	none	Score	80
Exons	36633..36710, 36672..36710, 36716..36775, 36717..36779, 37046..37147, 37057..37140, 37220..37375, 37235..37369, 37249..37377, 37454..37564, 37455..37514, 38215..38367, 38216..38368, 38253..38378, 38606..38671, 38607..38672, 38733..38873, 38749..38862, 38927..39043, 38928..39053, 39187..39342, 39216..39341, 39834..39983, 39849..39983, 40806..40970, 40833..40961, 40834..40986		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o5.tc	Method	TBLASTX:Cress
Start	36662	End	37531
GI	none	Score	184
Exons	36662..36775, 36663..36779, 36678..36779, 37046..37147, 37057..37155, 37220..37375, 37243..37377, 37451..37531, 37452..37514		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o2.tc	Method	TBLASTX:Cress
Start	38254	End	39053
GI	none	Score	98
Exons	38254..38331, 38255..38332, 38327..38377, 38338..38367, 38597..38668, 38603..38671, 38604..38672, 38733..38873, 38749..38862, 38751..38864, 38927..39043, 38928..39053,		

38934..39047

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o7.tm	Method	TBLASTX:Maize
Start	41525	End	44074
GI	none	Score	36
Exons	41525..41557, 41544..41567, 41651..41722, 41658..41687, 41731..41769, 41732..41797, 41808..41870, 41831..41872, 41951..42028, 41951..42025, 41952..42026, 41956..42027, 43573..43659, 43581..43658, 43598..43669, 43600..43668, 43754..43789, 43764..43817, 43765..43815, 43901..43972, 43910..43975, 43915..43974, 44048..44074, 44048..44074		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o7.ts	Method	TBLASTX:Soybean
Start	41831	End	43971
GI	none	Score	70
Exons	41831..41878, 41832..41870, 41951..42028, 41951..42022, 41956..42027, 43573..43659, 43581..43658, 43600..43668, 43601..43669, 43764..43817, 43768..43815, 43915..43971, 43919..43963		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o6.tc	Method	TBLASTX:Cress
Start	41832	End	43971
GI	none	Score	55
Exons	41832..41870, 41839..41871, 41951..42028, 41956..42003, 42001..42027, 43581..43658, 43600..43659, 43601..43669, 43764..43817, 43768..43815, 43910..43963, 43915..43971		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o11.gs	Method	GENSCAN
Start	45074	End	49743
GI	none	Score	.74
Exons	45074..45242, 45336..45409, 45527..45667, 46366..46431, 46515..46649, 46848..46979, 47426..47504, 47597..47676, 48598..48706, 48796..48890, 49284..49343, 49431..49487, 49603..49743		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o7.tc	Method	TBLASTX:Cress
Start	45332	End	45643
GI	none	Score	119
Exons	45332..45412, 45527..45643, 45528..45626		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-

Start	45074	End	49879
Name	OJ000306_12.0330.C7.o8.np	Method	AAT/NAP
Start	45335	End	49879
GI	7529272	Score	1543
Exons	45335..45409, 45527..45667, 46366..46431, 46515..46649, 46848..46979, 47081..47180, 47278..47324, 47426..47504, 47597..47676, 47828..47917, 48598..48706, 48796..48890, 49284..49343, 49431..49487, 49603..49879		
GI Descrip.	(AJ250248) ataxia-telangiectasia mutated protein (Atm) [Arabidopsis thaliana]		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o3.tm	Method	TBLASTX:Maize
Start	46865	End	47321
GI	none	Score	135
Exons	46865..46960, 46866..46964, 46866..46973, 46867..46971, 47073..47180, 47078..47209, 47078..47206, 47277..47321		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o7.gp	Method	AAT/GAP
Start	49261	End	49747
GI	uC-osf1M202075g01b1	Score	454
Exons	49261..49343, 49431..49487, 49603..49747		
GI Descrip.	'5541725/emb|CAB51066.1| 1.0e-54 (AL096856) putative protein [Arabidopsis thaliana]'		

Seq. No.	46435	Seq. ID	OJ000306_12.0330.C7
Gene No.	98580	Strand	-
Start	45074	End	49879
Name	OJ000306_12.0330.C7.o11.tm	Method	TBLASTX:Maize
Start	49311	End	49746
GI	none	Score	35
Exons	49311..49343, 49313..49345, 49450..49488, 49452..49484, 49585..49746, 49609..49746		

Seq. No.	46436	Seq. ID	OJ000306_12.0330.C8
Gene No.	98581	Strand	-
Start	1	End	3082
Name	OJ000306_12.0330.C8.o1.gp	Method	AAT/GAP
Start	1	End	62
GI	uC-osf1M202075g01b1	Score	120
Exons	1..62		
GI Descrip.	'5541725/emb|CAB51066.1| 1.0e-54 (AL096856) putative protein [Arabidopsis thaliana]'		

Seq. No.	46436	Seq. ID	OJ000306_12.0330.C8
Gene No.	98581	Strand	-
Start	1	End	3082
Name	OJ000306_12.0330.C8.o1.np	Method	AAT/NAP
Start	1	End	3082
GI	7522209	Score	588
Exons	1..89, 163..243, 748..829, 1833..1918, 2138..2339, 2437..2606, 3036..3082		

GI Descrip.	hypothetical protein T24C20.70 - Arabidopsis thaliana gi|5541725|emb|CAB51066.1| (AL096856) putative protein [Arabidopsis thaliana]		
Seq. No.	46436	Seq. ID	OJ000306_12.0330.C8
Gene No.	98581	Strand	-
Start	1	End	3082
Name	OJ000306_12.0330.C8.o1.gs	Method	GENSCAN
Start	748	End	2588
GI	none	Score	.92
Exons	748..831, 1476..1520, 1835..1918, 2007..2054, 2138..2339, 2437..2588		
Seq. No.	46436	Seq. ID	OJ000306_12.0330.C8
Gene No.	98581	Strand	-
Start	1	End	3082
Name	OJ000306_12.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	2219	End	2567
GI	none	Score	43
Exons	2219..2341, 2220..2342, 2437..2547, 2439..2567		
Seq. No.	46437	Seq. ID	OJ000306_12.0330.C9
Gene No.	98582	Strand	-
Start	1	End	5224
Name	OJ000306_12.0330.C9.o1.np	Method	AAT/NAP
Start	1	End	5224
GI	7529272	Score	776
Exons	1..129, 210..374, 1013..1135, 1220..1294, 1382..1448, 1936..2048, 2131..2433, 2665..2751, 2854..2956, 3676..3725, 4213..4324, 4693..4798, 4886..5009, 5116..5224		
GI Descrip.	(AJ250248) ataxia-telangiectasia mutated protein (Atm) [Arabidopsis thaliana]		
Seq. No.	46437	Seq. ID	OJ000306_12.0330.C9
Gene No.	98582	Strand	-
Start	1	End	5224
Name	OJ000306_12.0330.C9.o1.gs	Method	GENSCAN
Start	28	End	5009
GI	none	Score	.89
Exons	28..129, 210..374, 1013..1135, 1220..1294, 2131..2433, 2665..2751, 3678..3725, 4213..4278, 4667..4798, 4886..5009		
Seq. No.	46438	Seq. ID	OJ000216_08.0310.C1
Gene No.	98583	Strand	
Start	426	End	722
Name	OJ000216_08.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	426	End	722
GI	none	Score	182
Exons	426..584, 427..585, 690..722, 692..721		
Seq. No.	46439	Seq. ID	OJ000216_08.0310.C2
Gene No.	98584	Strand	
Start	2	End	196
Name	OJ000216_08.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	2	End	196
GI	none	Score	129
Exons	2..196, 2..196		

Seq. No.	46439	Seq. ID	OJ000216_08.0310.C2
Gene No.	98585	Strand	
Start	113	End	679
Name	OJ000216_08.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	113	End	517
GI	none	Score	219
Exons	113..454, 113..466, 156..458,	461..517,	471..503

Seq. No.	46439	Seq. ID	OJ000216_08.0310.C2
Gene No.	98585	Strand	
Start	113	End	679
Name	OJ000216_08.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	198	End	463
GI	none	Score	278
Exons	198..458, 198..455, 200..463,	200..463	

Seq. No.	46439	Seq. ID	OJ000216_08.0310.C2
Gene No.	98585	Strand	
Start	113	End	679
Name	OJ000216_08.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	314	End	679
GI	none	Score	77
Exons	314..448, 455..679, 456..668		

Seq. No.	46440	Seq. ID	OJ000216_08.0310.C10
Gene No.	98586	Strand	+
Start	509	End	949
Name	OJ000216_08.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	506	End	942
GI	none	Score	127
Exons	506..577, 507..578, 507..578,	775..942,	778..933

Seq. No.	46440	Seq. ID	OJ000216_08.0310.C10
Gene No.	98586	Strand	+
Start	509	End	949
Name	OJ000216_08.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	507	End	927
GI	none	Score	105
Exons	507..578, 512..574, 777..926,	778..927	

Seq. No.	46440	Seq. ID	OJ000216_08.0310.C10
Gene No.	98586	Strand	+
Start	509	End	949
Name	OJ000216_08.0310.C10.o1.gp	Method	AAT/GAP
Start	509	End	949
GI	none	Score	399
Exons	509..578, 781..949		

Seq. No.	46441	Seq. ID	OJ000216_08.0310.C16
Gene No.	98587	Strand	+
Start	622	End	1137
Name	OJ000216_08.0310.C16.o1.gp	Method	AAT/GAP
Start	622	End	1137
GI	3548947	Score	894
Exons	622..1137		

Seq. No.	46442	Seq. ID	OJ000216_08.0310.C17
Gene No.	98588	Strand	
Start	60	End	638
Name	OJ000216_08.0310.C17.o1.tm	Method	TBLASTX:Maize
Start	60	End	638
GI	none	Score	58
Exons	60..104, 210..317, 211..306, 399..497, 400..498, 585..638, 587..637		

Seq. No.	46443	Seq. ID	OJ000216_08.0310.C18
Gene No.	98589	Strand	
Start	9	End	294
Name	OJ000216_08.0310.C18.o2.ts	Method	TBLASTX:Soybean
Start	9	End	263
GI	none	Score	199
Exons	9..92, 10..261, 150..263		

Seq. No.	46443	Seq. ID	OJ000216_08.0310.C18
Gene No.	98589	Strand	
Start	9	End	294
Name	OJ000216_08.0310.C18.o2.tw	Method	TBLASTX:Wheat
Start	25	End	294
GI	none	Score	179
Exons	25..294		

Seq. No.	46443	Seq. ID	OJ000216_08.0310.C18
Gene No.	98590	Strand	
Start	712	End	1284
Name	OJ000216_08.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	712	End	1092
GI	none	Score	88
Exons	712..870, 868..1092		

Seq. No.	46443	Seq. ID	OJ000216_08.0310.C18
Gene No.	98590	Strand	
Start	712	End	1284
Name	OJ000216_08.0310.C18.o1.ts	Method	TBLASTX:Soybean
Start	715	End	1113
GI	none	Score	232
Exons	715..1113		

Seq. No.	46443	Seq. ID	OJ000216_08.0310.C18
Gene No.	98590	Strand	
Start	712	End	1284
Name	OJ000216_08.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	871	End	1284
GI	none	Score	165
Exons	871..1140, 1195..1284		

Seq. No.	46444	Seq. ID	OJ000216_08.0310.C21
Gene No.	98591	Strand	-
Start	1	End	58
Name	OJ000216_08.0310.C21.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	1..58		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'.

Seq. No.	46445	Seq. ID	OJ000216_08.0310.C22
Gene No.	98592	Strand	
Start	163	End	1173
Name	OJ000216_08.0310.C22.o1.ts	Method	TBLASTX:Soybean
Start	163	End	1173
GI	none	Score	56
Exons	163..267, 170..346, 279..347, 1102..1173		

Seq. No.	46446	Seq. ID	OJ000216_08.0310.C24
Gene No.	98593	Strand	
Start	735	End	1073
Name	OJ000216_08.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	735	End	1073
GI	none	Score	194
Exons	735..1073		

Seq. No.	46447	Seq. ID	OJ000216_08.0310.C27
Gene No.	98594	Strand	
Start	64	End	568
Name	OJ000216_08.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	64	End	444
GI	none	Score	58
Exons	64..306, 224..307, 346..444, 356..442		

Seq. No.	46447	Seq. ID	OJ000216_08.0310.C27
Gene No.	98594	Strand	
Start	64	End	568
Name	OJ000216_08.0310.C27.o1.tw	Method	TBLASTX:Wheat
Start	160	End	568
GI	none	Score	89
Exons	160..306, 161..307, 337..567, 343..552, 350..568		

Seq. No.	46447	Seq. ID	OJ000216_08.0310.C27
Gene No.	98595	Strand	
Start	577	End	774
Name	OJ000216_08.0310.C27.o2.tw	Method	TBLASTX:Wheat
Start	577	End	774
GI	none	Score	63
Exons	577..774, 650..763		

Seq. No.	46448	Seq. ID	OJ000216_08.0310.C28
Gene No.	98596	Strand	
Start	6	End	333
Name	OJ000216_08.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	6	End	333
GI	none	Score	138
Exons	6..332, 13..333		

Seq. No.	46449	Seq. ID	OJ000216_08.0310.C29
Gene No.	98597	Strand	
Start	1167	End	1569
Name	OJ000216_08.0310.C29.o1.tw	Method	TBLASTX:Wheat
Start	1167	End	1569
GI	none	Score	74

Exons	1167..1568, 1261..1443, 1516..1569		
Seq. No.	46450	Seq. ID	OJ000216_08.0310.C30
Gene No.	98598	Strand	
Start	519	End	917
Name	OJ000216_08.0310.C30.o3.tw	Method	TBLASTX:Wheat
Start	519	End	917
GI	none	Score	53
Exons	519..569, 570..683, 581..631, 657..917, 689..916		
Seq. No.	46450	Seq. ID	OJ000216_08.0310.C30
Gene No.	98598	Strand	
Start	519	End	917
Name	OJ000216_08.0310.C30.o2.tm	Method	TBLASTX:Maize
Start	564	End	803
GI	none	Score	187
Exons	564..803		
Seq. No.	46450	Seq. ID	OJ000216_08.0310.C30
Gene No.	98599	Strand	
Start	1553	End	2008
Name	OJ000216_08.0310.C30.o2.tw	Method	TBLASTX:Wheat
Start	1553	End	2008
GI	none	Score	150
Exons	1553..1735, 1561..1662, 1772..2008, 1774..1998		
Seq. No.	46450	Seq. ID	OJ000216_08.0310.C30
Gene No.	98600	Strand	
Start	2200	End	2685
Name	OJ000216_08.0310.C30.o1.tw	Method	TBLASTX:Wheat
Start	2200	End	2655
GI	none	Score	518
Exons	2200..2655, 2200..2640, 2208..2654		
Seq. No.	46450	Seq. ID	OJ000216_08.0310.C30
Gene No.	98600	Strand	
Start	2200	End	2685
Name	OJ000216_08.0310.C30.o1.tm	Method	TBLASTX:Maize
Start	2329	End	2685
GI	none	Score	403
Exons	2329..2685, 2391..2684		
Seq. No.	46451	Seq. ID	OJ000216_08.0310.C31
Gene No.	98601	Strand	
Start	646	End	1029
Name	OJ000216_08.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	646	End	951
GI	none	Score	352
Exons	646..951, 663..950		
Seq. No.	46451	Seq. ID	OJ000216_08.0310.C31
Gene No.	98601	Strand	
Start	646	End	1029
Name	OJ000216_08.0310.C31.o2.tw	Method	TBLASTX:Wheat
Start	646	End	1029
GI	none	Score	358
Exons	646..1029, 654..1028		

Seq. No.	46451	Seq. ID	OJ000216_08.0310.C31
Gene No.	98602	Strand	
Start	1152	End	1760
Name	OJ000216_08.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	1152	End	1760
GI	none	Score	353
Exons	1152..1604, 1166..1252, 1331..1408, 1629..1760, 1634..1759		

Seq. No.	46451	Seq. ID	OJ000216_08.0310.C31
Gene No.	98602	Strand	
Start	1152	End	1760
Name	OJ000216_08.0310.C31.o2.tm	Method	TBLASTX:Maize
Start	1458	End	1724
GI	none	Score	144
Exons	1458..1640, 1524..1640, 1634..1690, 1641..1724		

Seq. No.	46452	Seq. ID	OJ000216_08.0310.C33
Gene No.	98603	Strand	
Start	121	End	761
Name	OJ000216_08.0310.C33.o1.tw	Method	TBLASTX:Wheat
Start	121	End	591
GI	none	Score	36
Exons	121..162, 202..435, 490..591		

Seq. No.	46452	Seq. ID	OJ000216_08.0310.C33
Gene No.	98603	Strand	
Start	121	End	761
Name	OJ000216_08.0310.C33.o1.ts	Method	TBLASTX:Soybean
Start	177	End	435
GI	none	Score	197
Exons	177..371, 199..435		

Seq. No.	46452	Seq. ID	OJ000216_08.0310.C33
Gene No.	98603	Strand	
Start	121	End	761
Name	OJ000216_08.0310.C33.o1.tc	Method	TBLASTX:Cress
Start	471	End	759
GI	none	Score	94
Exons	471..545, 490..579, 601..759, 663..731		

Seq. No.	46452	Seq. ID	OJ000216_08.0310.C33
Gene No.	98603	Strand	
Start	121	End	761
Name	OJ000216_08.0310.C33.o1.tm	Method	TBLASTX:Maize
Start	487	End	759
GI	none	Score	61
Exons	487..558, 490..759, 574..759		

Seq. No.	46452	Seq. ID	OJ000216_08.0310.C33
Gene No.	98603	Strand	
Start	121	End	761
Name	OJ000216_08.0310.C33.o2.tw	Method	TBLASTX:Wheat
Start	610	End	761
GI	none	Score	166
Exons	610..759, 615..761		

Seq. No.	46453	Seq. ID	OJ000216_08.0310.C37
Gene No.	98604	Strand	
Start	118	End	469
Name	OJ000216_08.0310.C37.o1.tm	Method	TBLASTX:Maize
Start	118	End	469
GI	none	Score	99
Exons	118..213, 123..149, 276..467,	280..468,	353..469

Seq. No.	46454	Seq. ID	OJ000216_08.0310.C39
Gene No.	98605	Strand	+
Start	146	End	893
Name	OJ000216_08.0310.C39.o1.tc	Method	TBLASTX:Cress
Start	125	End	304
GI	none	Score	241
Exons	125..304, 126..287		

Seq. No.	46454	Seq. ID	OJ000216_08.0310.C39
Gene No.	98605	Strand	+
Start	146	End	893
Name	OJ000216_08.0310.C39.o1.ts	Method	TBLASTX:Soybean
Start	125	End	310
GI	none	Score	241
Exons	125..310, 126..287		

Seq. No.	46454	Seq. ID	OJ000216_08.0310.C39
Gene No.	98605	Strand	+
Start	146	End	893
Name	OJ000216_08.0310.C39.o2.tm	Method	TBLASTX:Maize
Start	126	End	269
GI	none	Score	226
Exons	126..269, 138..266		

Seq. No.	46454	Seq. ID	OJ000216_08.0310.C39
Gene No.	98605	Strand	+
Start	146	End	893
Name	OJ000216_08.0310.C39.o1.gp	Method	AAT/GAP
Start	146	End	644
GI	LIB3431-015-P1-K1-C7	Score	616
Exons	146..287, 360..484, 568..644		
GI Descrip.	'1532135 6.0e-32 (U49442) chloroplast mRNA-binding protein CSP41 precursor [Spinacia oleracea]'		

Seq. No.	46454	Seq. ID	OJ000216_08.0310.C39
Gene No.	98605	Strand	+
Start	146	End	893
Name	OJ000216_08.0310.C39.o1.tm	Method	TBLASTX:Maize
Start	450	End	861
GI	none	Score	67
Exons	450..494, 560..670, 565..672, 802..831, 838..861, 844..861	572..670,	777..830, 778..831,

Seq. No.	46454	Seq. ID	OJ000216_08.0310.C39
Gene No.	98605	Strand	+
Start	146	End	893
Name	OJ000216_08.0310.C39.o2.ts	Method	TBLASTX:Soybean
Start	640	End	893
GI	none	Score	56

Exons	640..672, 641..670, 777..893, 778..891		
Seq. No.	46455	Seq. ID	OJ000216_08.0310.C40
Gene No.	98606	Strand	
Start	415	End	574
Name	OJ000216_08.0310.C40.o1.tc	Method	TBLASTX:Cress
Start	415	End	574
GI	none	Score	210
Exons	415..573, 416..574, 458..574		
Seq. No.	46455	Seq. ID	OJ000216_08.0310.C40
Gene No.	98606	Strand	
Start	415	End	574
Name	OJ000216_08.0310.C40.o1.ts	Method	TBLASTX:Soybean
Start	416	End	574
GI	none	Score	201
Exons	416..574, 418..573		
Seq. No.	46456	Seq. ID	OJ000216_08.0310.C41
Gene No.	98607	Strand	-
Start	506	End	1154
Name	OJ000216_08.0310.C41.o1.gp	Method	AAT/GAP
Start	506	End	1154
GI	29810_1.R1084	Score	325
Exons	506..589, 1037..1154		
GI Descrip.	'4512018/gb|AAD21574.1| 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]'		
Seq. No.	46457	Seq. ID	OJ000216_08.0310.C42
Gene No.	98608	Strand	-
Start	1	End	84
Name	OJ000216_08.0310.C42.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	29810_1.R1084	Score	168
Exons	1..84		
GI Descrip.	'4512018/gb|AAD21574.1| 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]'		
Seq. No.	46458	Seq. ID	OJ000216_08.0310.C45
Gene No.	98609	Strand	-
Start	1217	End	1484
Name	OJ000216_08.0310.C45.o1.tm	Method	TBLASTX:Maize
Start	173	End	1298
GI	none	Score	220
Exons	173..388, 183..392, 303..401, 501..815, 522..779, 530..823, 766..879, 786..1298, 788..892, 958..1008, 1148..1243		
Seq. No.	46458	Seq. ID	OJ000216_08.0310.C45
Gene No.	98609	Strand	-
Start	1217	End	1484
Name	OJ000216_08.0310.C45.o2.ts	Method	TBLASTX:Soybean
Start	209	End	408
GI	none	Score	231
Exons	209..406, 210..401, 286..408		
Seq. No.	46458	Seq. ID	OJ000216_08.0310.C45
Gene No.	98609	Strand	-

Start	1217	End	1484
Name	OJ000216_08.0310.C45.o1.tc	Method	TBLASTX:Cress
Start	222	End	656
GI	none	Score	182
Exons	222..392, 233..382, 285..398,	522..656	

Seq. No.	46458	Seq. ID	OJ000216_08.0310.C45
Gene No.	98609	Strand	-
Start	1217	End	1484
Name	OJ000216_08.0310.C45.o1.ts	Method	TBLASTX:Soybean
Start	561	End	797
GI	none	Score	253
Exons	561..797, 566..796		

Seq. No.	46458	Seq. ID	OJ000216_08.0310.C45
Gene No.	98609	Strand	-
Start	1217	End	1484
Name	OJ000216_08.0310.C45.o1.gp	Method	AAT/GAP
Start	1217	End	1484
GI	none	Score	536
Exons	1217..1484		

Seq. No.	46459	Seq. ID	OJ000216_08.0310.C49
Gene No.	98610	Strand	
Start	161	End	1184
Name	OJ000216_08.0310.C49.o2.tm	Method	TBLASTX:Maize
Start	161	End	481
GI	none	Score	102
Exons	161..283, 164..481, 165..479		

Seq. No.	46459	Seq. ID	OJ000216_08.0310.C49
Gene No.	98610	Strand	
Start	161	End	1184
Name	OJ000216_08.0310.C49.o1.ts	Method	TBLASTX:Soybean
Start	188	End	794
GI	5509260	Score	243
Exons	188..403, 189..404, 413..787,	414..794,	597..794
GI Descrip.	-		

Seq. No.	46459	Seq. ID	OJ000216_08.0310.C49
Gene No.	98610	Strand	
Start	161	End	1184
Name	OJ000216_08.0310.C49.o1.tw	Method	TBLASTX:Wheat
Start	330	End	782
GI	none	Score	86
Exons	330..404, 398..433, 425..580,	437..769,	441..782

Seq. No.	46459	Seq. ID	OJ000216_08.0310.C49
Gene No.	98610	Strand	
Start	161	End	1184
Name	OJ000216_08.0310.C49.o1.tc	Method	TBLASTX:Cress
Start	396	End	677
GI	none	Score	202
Exons	396..677		

Seq. No.	46459	Seq. ID	OJ000216_08.0310.C49
Gene No.	98610	Strand	

Start	161	End	1184
Name	OJ000216_08.0310.C49.o1.tm	Method	TBLASTX:Maize
Start	598	End	1034
GI	none	Score	627
Exons	598..1005, 599..1030, 600..1034		

Seq. No.	46459	Seq. ID	OJ000216_08.0310.C49
Gene No.	98610	Strand	
Start	161	End	1184
Name	OJ000216_08.0310.C49.o2.ts	Method	TBLASTX:Soybean
Start	929	End	1184
GI	none	Score	194
Exons	929..1183, 942..1184		

Seq. No.	46459	Seq. ID	OJ000216_08.0310.C49
Gene No.	98610	Strand	
Start	161	End	1184
Name	OJ000216_08.0310.C49.o3.tm	Method	TBLASTX:Maize
Start	1035	End	1184
GI	none	Score	183
Exons	1035..1184, 1035..1160, 1055..1177		

Seq. No.	46460	Seq. ID	OJ000126_02.0303.C1
Gene No.	98611	Strand	-
Start	144	End	703
Name	OJ000126_02.0303.C1.o1.gp	Method	AAT/GAP
Start	144	End	703
GI	uC-osflcyp036g09b1	Score	611
Exons	144..249, 475..703		
GI Descrip.	'1001263/dbj|BAA10507| 2.0e-11 (D64003) hypothetical protein [Synechocystis sp.]'		

Seq. No.	46460	Seq. ID	OJ000126_02.0303.C1
Gene No.	98611	Strand	-
Start	144	End	703
Name	OJ000126_02.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	145	End	665
GI	none	Score	121
Exons	145..249, 147..251, 147..248, 161..250, 457..663, 458..661, 475..663, 552..665		

Seq. No.	46461	Seq. ID	OJ000126_02.0303.C2
Gene No.	98612	Strand	-
Start	1168	End	2842
Name	OJ000126_02.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	829	End	1023
GI	none	Score	217
Exons	829..1023, 839..1012, 843..1022, 844..1023		

Seq. No.	46461	Seq. ID	OJ000126_02.0303.C2
Gene No.	98612	Strand	-
Start	1168	End	2842
Name	OJ000126_02.0303.C2.o1.gp	Method	AAT/GAP
Start	1168	End	2842
GI	426199	Score	669
Exons	1168..1226, 1301..1405, 1837..2006, 2807..2842		
GI Descrip.	1001263/dbj|BAA10507| 2.0e-11 (D64003) hypothetical protein		

[Synechocystis sp.]

Seq. No.	46461	Seq. ID	OJ000126_02.0303.C2
Gene No.	98613	Strand	
Start	3906	End	5049
Name	OJ000126_02.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	3906	End	5049
GI	none	Score	127
Exons	3906..4019, 3907..4017, 4236..4343, 4236..4343, 4237..4353, 4788..4892, 4789..4899, 4972..5049, 4973..5047		

Seq. No.	46462	Seq. ID	OJ000126_02.0303.C3
Gene No.	98614	Strand	
Start	383	End	766
Name	OJ000126_02.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	383	End	575
GI	none	Score	174
Exons	383..574, 384..575		

Seq. No.	46462	Seq. ID	OJ000126_02.0303.C3
Gene No.	98614	Strand	
Start	383	End	766
Name	OJ000126_02.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	383	End	766
GI	none	Score	188
Exons	383..652, 384..629, 700..765, 701..766		

Seq. No.	46462	Seq. ID	OJ000126_02.0303.C3
Gene No.	98615	Strand	
Start	2405	End	2529
Name	OJ000126_02.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	2405	End	2529
GI	none	Score	133
Exons	2405..2527, 2405..2527, 2406..2528, 2407..2529		

Seq. No.	46463	Seq. ID	OJ000126_02.0303.C4
Gene No.	98616	Strand	
Start	550	End	982
Name	OJ000126_02.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	550	End	982
GI	none	Score	43
Exons	550..672, 593..673, 643..735, 662..715, 854..982		

Seq. No.	46463	Seq. ID	OJ000126_02.0303.C4
Gene No.	98616	Strand	
Start	550	End	982
Name	OJ000126_02.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	652	End	982
GI	none	Score	67
Exons	652..762, 653..769, 854..982		

Seq. No.	46464	Seq. ID	OJ000126_02.0303.C5
Gene No.	98617	Strand	-
Start	17186	End	18069
Name	OJ000126_02.0303.C5.o2.gp	Method	AAT/GAP
Start	17186	End	18069
GI	16410_1.R1084	Score	1534

Exons	17186..18069		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	46464	Seq. ID	OJ000126_02.0303.C5
Gene No.	98618	Strand	-
Start	18213	End	22608
Name	OJ000126_02.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	1105	End	22608
GI	none	Score	107
Exons	1105..1332, 1105..1410, 1127..1339, 1420..1509, 1420..1776, 1424..1765, 1792..1857, 2305..2598, 2306..2590, 2620..2643, 7046..7405, 7092..7328, 7409..7765, 7413..7709, 7781..7834, 7782..7853, 7975..8271, 7976..8272, 8281..8307, 17303..17617, 17306..17533, 17328..17540, 17621..17758, 17621..17977, 17652..17966, 17993..18046, 18173..18496, 18174..18485, 21868..22179, 21869..21940, 21871..22098, 22040..22105, 22186..22542, 22217..22531, 22390..22536, 22558..22608, 22559..22606		

Seq. No.	46464	Seq. ID	OJ000126_02.0303.C5
Gene No.	98618	Strand	-
Start	18213	End	22608
Name	OJ000126_02.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	1105	End	22608
GI	none	Score	126
Exons	1105..1410, 1127..1345, 1420..1773, 1442..1765, 1792..1845, 1793..1840, 2308..2598, 2315..2590, 7067..7405, 7068..7334, 7088..7339, 7362..7415, 7409..7768, 7413..7709, 7781..7834, 7782..7829, 7984..8271, 7985..8272, 8281..8313, 17285..17617, 17328..17546, 17574..17618, 17621..17980, 17625..17966, 17993..18046, 17994..18041, 18182..18493, 18183..18485, 21708..21758, 21844..22116, 21850..22179, 22139..22177, 22186..22539, 22190..22531, 22390..22536, 22558..22608, 22559..22606		

Seq. No.	46464	Seq. ID	OJ000126_02.0303.C5
Gene No.	98618	Strand	-
Start	18213	End	22608
Name	OJ000126_02.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	1105	End	22608
GI	none	Score	191
Exons	1105..1440, 1123..1410, 1423..1773, 1427..1765, 1792..1857, 2308..2598, 2312..2599, 7031..7378, 7098..7313, 7111..7371, 7112..7405, 7113..7409, 7412..7762, 7419..7709, 7781..7834, 7794..7829, 7978..8271, 7982..8272, 17324..17617, 17328..17546, 17581..17616, 17624..17974, 17631..17966, 17993..18046, 18006..18041, 18176..18493, 18180..18485, 21865..22179, 21893..21937, 22040..22111, 22146..22175, 22151..22417, 22189..22539, 22196..22531, 22558..22608, 22571..22606		

Seq. No.	46464	Seq. ID	OJ000126_02.0303.C5
Gene No.	98618	Strand	-
Start	18213	End	22608
Name	OJ000126_02.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	2312	End	18496
GI	none	Score	303

Exons	2312..2605, 2317..2604, 2620..2643, 7970..8275, 7981..8274, 18174..18293, 18179..18496, 18180..18485		
Seq. No.	46464	Seq. ID	OJ000126_02.0303.C5
Gene No.	98618	Strand	-
Start	18213	End	22608
Name	OJ000126_02.0303.C5.o3.gp	Method	AAT/GAP
Start	18213	End	18584
GI	426106	Score	698
Exons	18213..18584		
GI Descrip.	3882355/gb|AAC78440.1| 5.0e-33 (U92460) 12-oxophytodienoate reductase OPR1 [Arabidopsis thaliana]		
Seq. No.	46465	Seq. ID	OJ000126_02.0303.C9
Gene No.	98619	Strand	-
Start	1	End	204
Name	OJ000126_02.0303.C9.o1.gp	Method	AAT/GAP
Start	1	End	204
GI	5900747	Score	408
Exons	1..204		
GI Descrip.	902200/emb|X86563|CHZMXX 7.0e-09 Z.mays complete chloroplast genome		
Seq. No.	46465	Seq. ID	OJ000126_02.0303.C9
Gene No.	98620	Strand	-
Start	534	End	1161
Name	OJ000126_02.0303.C9.o2.tm	Method	TBLASTX:Maize
Start	182	End	475
GI	none	Score	87
Exons	182..247, 182..244, 184..252, 184..246, 291..335, 294..338, 296..349, 341..379, 345..380, 398..475, 398..475		
Seq. No.	46465	Seq. ID	OJ000126_02.0303.C9
Gene No.	98620	Strand	-
Start	534	End	1161
Name	OJ000126_02.0303.C9.o2.gp	Method	AAT/GAP
Start	534	End	1145
GI	31700_1.R1084	Score	488
Exons	534..698, 943..1145		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	46465	Seq. ID	OJ000126_02.0303.C9
Gene No.	98620	Strand	-
Start	534	End	1161
Name	OJ000126_02.0303.C9.o1.tc	Method	TBLASTX:Cress
Start	944	End	1161
GI	none	Score	116
Exons	944..1144, 944..1144, 1012..1146, 1045..1161		
Seq. No.	46465	Seq. ID	OJ000126_02.0303.C9
Gene No.	98620	Strand	-
Start	534	End	1161
Name	OJ000126_02.0303.C9.o1.ts	Method	TBLASTX:Soybean
Start	944	End	1158
GI	none	Score	203

Exons	944..1144, 995..1144, 996..1145, 1012..1158, 1012..1146		
Seq. No.	46465	Seq. ID	OJ000126_02.0303.C9
Gene No.	98620	Strand	-
Start	534	End	1161
Name	OJ000126_02.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	1016	End	1161
GI	none	Score	176
Exons	1016..1144, 1018..1146, 1021..1161		
Seq. No.	46466	Seq. ID	OJ000126_02.0303.C10
Gene No.	98621	Strand	-
Start	255	End	925
Name	OJ000126_02.0303.C10.o1.gp	Method	AAT/GAP
Start	255	End	925
GI	none	Score	1079
Exons	255..501, 602..925		
Seq. No.	46466	Seq. ID	OJ000126_02.0303.C10
Gene No.	98621	Strand	-
Start	255	End	925
Name	OJ000126_02.0303.C10.o1.tc	Method	TBLASTX:Cress
Start	391	End	734
GI	none	Score	130
Exons	391..510, 392..502, 588..734, 593..733		
Seq. No.	46466	Seq. ID	OJ000126_02.0303.C10
Gene No.	98621	Strand	-
Start	255	End	925
Name	OJ000126_02.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	422	End	733
GI	none	Score	95
Exons	422..502, 424..510, 588..719, 593..733		
Seq. No.	46467	Seq. ID	OJ000126_02.0303.C13
Gene No.	98622	Strand	-
Start	3569	End	4338
Name	OJ000126_02.0303.C13.o1.gp	Method	AAT/GAP
Start	3569	End	4338
GI	16410_2.R1084	Score	970
Exons	3569..4338		
GI Descrip.	'3882356/gb|AAC78441.1| 2.0e-39 (U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana]'		
Seq. No.	46467	Seq. ID	OJ000126_02.0303.C13
Gene No.	98623	Strand	-
Start	8829	End	9592
Name	OJ000126_02.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	1	End	172
GI	none	Score	158
Exons	1..33, 28..171, 28..171, 29..172		
Seq. No.	46467	Seq. ID	OJ000126_02.0303.C13
Gene No.	98623	Strand	-
Start	8829	End	9592
Name	OJ000126_02.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	3790	End	9592

GI	none	Score	105
Exons	3790..4131, 3814..4065, 4096..4155, 4135..4488, 4139..4480, 4378..4485, 4507..4560, 4508..4555, 4668..4985, 4669..4986, 9076..9393, 9081..9149, 9082..9327, 9264..9389, 9358..9417, 9397..9591, 9401..9592		

Seq. No.	46467	Seq. ID	OJ000126_02.0303.C13
Gene No.	98623	Strand	-
Start	8829	End	9592
Name	OJ000126_02.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	3808	End	9592
GI	none	Score	172
Exons	3808..4155, 3811..4131, 3843..4139, 4138..4488, 4145..4480, 4507..4575, 4520..4561, 4662..4979, 4666..4980, 9073..9393, 9100..9417, 9357..9401, 9400..9591, 9407..9592		

Seq. No.	46467	Seq. ID	OJ000126_02.0303.C13
Gene No.	98623	Strand	-
Start	8829	End	9592
Name	OJ000126_02.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	3817	End	9592
GI	none	Score	102
Exons	3817..4131, 3820..4047, 3989..4054, 4135..4491, 4166..4480, 4504..4560, 4507..4575, 4659..5012, 4660..5010, 9079..9393, 9082..9309, 9251..9316, 9397..9591, 9428..9592		

Seq. No.	46467	Seq. ID	OJ000126_02.0303.C13
Gene No.	98623	Strand	-
Start	8829	End	9592
Name	OJ000126_02.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	4519	End	4983
GI	none	Score	58
Exons	4519..4563, 4665..4760, 4665..4982, 4666..4983		

Seq. No.	46467	Seq. ID	OJ000126_02.0303.C13
Gene No.	98623	Strand	-
Start	8829	End	9592
Name	OJ000126_02.0303.C13.o2:gp	Method	AAT/GAP
Start	8829	End	9592
GI	16410_2.R1084	Score	1360
Exons	8829..9592		
GI Descrip.	'3882356/gb|AAC78441.1| 2.0e-39 (U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana]'		

Seq. No.	46468	Seq. ID	OJ000126_02.0303.C14
Gene No.	98624	Strand	
Start	2275	End	2676
Name	OJ000126_02.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	2275	End	2676
GI	none	Score	120
Exons	2275..2406, 2275..2406, 2418..2480, 2419..2676, 2446..2676		

Seq. No.	46468	Seq. ID	OJ000126_02.0303.C14
Gene No.	98624	Strand	
Start	2275	End	2676
Name	OJ000126_02.0303.C14.o1.ts	Method	TBLASTX:Soybean
Start	2446	End	2671

GI	none	Score	101
Exons	2446..2670, 2537..2671		

Seq. No.	46469	Seq. ID	OJ000126_02.0303.C15
Gene No.	98625	Strand	
Start	2	End	454
Name	OJ000126_02.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	2	End	454
GI	none	Score	54
Exons	2..70, 2..70, 11..49, 65..163, 80..163, 80..163, 80..163, 180..254, 183..392, 183..392, 185..430, 188..454, 246..419, 250..294, 251..451, 281..430, 281..421		

Seq. No.	46469	Seq. ID	OJ000126_02.0303.C15
Gene No.	98626	Strand	
Start	7779	End	8945
Name	OJ000126_02.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	7779	End	8100
GI	none	Score	39
Exons	7779..7835, 7786..7836, 7917..8099, 7933..8100		

Seq. No.	46469	Seq. ID	OJ000126_02.0303.C15
Gene No.	98626	Strand	
Start	7779	End	8945
Name	OJ000126_02.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	7942	End	8933
GI	none	Score	93
Exons	7942..8145, 7944..8144, 8145..8189, 8850..8933		

Seq. No.	46469	Seq. ID	OJ000126_02.0303.C15
Gene No.	98626	Strand	
Start	7779	End	8945
Name	OJ000126_02.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	7942	End	8945
GI	none	Score	85
Exons	7942..8022, 7944..8030, 8025..8183, 8026..8103, 8131..8184, 8850..8945		

Seq. No.	46470	Seq. ID	OJ000126_02.0303.C16
Gene No.	98627	Strand	-
Start	1390	End	1484
Name	OJ000126_02.0303.C16.o1.gp	Method	AAT/GAP
Start	1390	End	1484
GI	2312727	Score	147
Exons	1390..1484		
GI Descrip.	5306252/gb|AAD41985.1|AC006438_17 1.0e-39 (AC006438) putative cyclophilin-type peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	46471	Seq. ID	OJ000126_02.0303.C17
Gene No.	98628	Strand	-
Start	1	End	619
Name	OJ000126_02.0303.C17.o1.gp	Method	AAT/GAP
Start	1	End	619
GI	2312727	Score	422
Exons	1..59, 442..619		
GI Descrip.	5306252/gb|AAD41985.1|AC006438_17 1.0e-39 (AC006438) putative		

cyclophilin-type peptidyl-prolyl cis-trans isomerase
[Arabidopsis thaliana]

Seq. No.	46471	Seq. ID	OJ000126_02.0303.C17
Gene No.	98629	Strand	-
Start	2883	End	3263
Name	OJ000126_02.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	3	End	864
GI	none	Score	81
Exons	3..62, 3..68, 4..66, 439..864, 443..862, 457..864		

Seq. No.	46471	Seq. ID	OJ000126_02.0303.C17
Gene No.	98629	Strand	-
Start	2883	End	3263
Name	OJ000126_02.0303.C17.o1.ts	Method	TBLASTX:Soybean
Start	592	End	2988
GI	none	Score	117
Exons	592..942, 664..945, 2917..2988, 2918..2977		

Seq. No.	46471	Seq. ID	OJ000126_02.0303.C17
Gene No.	98629	Strand	-
Start	2883	End	3263
Name	OJ000126_02.0303.C17.o1.tc	Method	TBLASTX:Cress
Start	595	End	2977
GI	none	Score	117
Exons	595..942, 713..844, 814..963, 2917..2973, 2918..2977		

Seq. No.	46471	Seq. ID	OJ000126_02.0303.C17
Gene No.	98629	Strand	-
Start	2883	End	3263
Name	OJ000126_02.0303.C17.o1.tw	Method	TBLASTX:Wheat
Start	661	End	3052
GI	none	Score	110
Exons	661..942, 713..850, 2917..3045, 2917..3051, 2939..3052		

Seq. No.	46471	Seq. ID	OJ000126_02.0303.C17
Gene No.	98629	Strand	-
Start	2883	End	3263
Name	OJ000126_02.0303.C17.o2.tm	Method	TBLASTX:Maize
Start	907	End	3225
GI	none	Score	191
Exons	907..942, 2881..3054, 2902..3045, 2906..3055, 2939..3055, 3105..3128, 3109..3129, 3199..3225, 3204..3224		

Seq. No.	46471	Seq. ID	OJ000126_02.0303.C17
Gene No.	98629	Strand	-
Start	2883	End	3263
Name	OJ000126_02.0303.C17.o2.gp	Method	AAT/GAP
Start	2883	End	3263
GI	43975_1.R1084	Score	647
Exons	2883..3263		
GI Descrip.	'5306252/gb|AAD41985.1|AC006438_17 1.0e-39 (AC006438) putative cyclophilin-type peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]'		

Seq. No.	46472	Seq. ID	OJ000126_02.0303.C21
Gene No.	98630	Strand	-

Start	1	End	649
Name	OJ000126_02.0303.C21.o1.gp	Method	AAT/GAP
Start	1	End	649
GI	100868_1.R1084	Score	1225
Exons	1..649		
GI Descrip.	'902200/emb|X86563|CHZMXX 7.0e-09 Z.mays complete chloroplast genome'		

Seq. No.	46473	Seq. ID	OJ000126_02.0303.C22
Gene No.	98631	Strand	-
Start	142	End	234
Name	OJ000126_02.0303.C22.o1.gp	Method	AAT/GAP
Start	142	End	234
GI	LIB3477-003-P1-K1-E9	Score	91
Exons	142..234		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46474	Seq. ID	OJ000126_04.0310.C6
Gene No.	98634	Strand	
Start	14	End	232
Name	OJ000126_04.0310.C6.o4.tm	Method	TBLASTX:Maize
Start	14	End	204
GI	none	Score	183
Exons	14..202, 18..203, 22..204, 22..204		

Seq. No.	46474	Seq. ID	OJ000126_04.0310.C6
Gene No.	98634	Strand	
Start	14	End	232
Name	OJ000126_04.0310.C6.o2.ts	Method	TBLASTX:Soybean
Start	22	End	232
GI	none	Score	160
Exons	22..222, 23..232		

Seq. No.	46474	Seq. ID	OJ000126_04.0310.C6
Gene No.	98635	Strand	
Start	451	End	1096
Name	OJ000126_04.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	451	End	1096
GI	none	Score	65
Exons	451..1095, 779..1096		

Seq. No.	46474	Seq. ID	OJ000126_04.0310.C6
Gene No.	98635	Strand	
Start	451	End	1096
Name	OJ000126_04.0310.C6.o2.tm	Method	TBLASTX:Maize
Start	539	End	891
GI	none	Score	88
Exons	539..631, 541..654, 541..654, 656..889, 657..890, 658..891		

Seq. No.	46474	Seq. ID	OJ000126_04.0310.C6
Gene No.	98635	Strand	
Start	451	End	1096
Name	OJ000126_04.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	757	End	1085
GI	none	Score	205

Exons	757..1071, 773..1084, 779..1075, 825..1085		
Seq. No.	46474	Seq. ID	OJ000126_04.0310.C6
Gene No.	98636	Strand	
Start	1039	End	1284
Name	OJ000126_04.0310.C6.o3.tm	Method	TBLASTX:Maize
Start	1039	End	1284
GI	none	Score	229
Exons	1039..1284, 1040..1267		
Seq. No.	46474	Seq. ID	OJ000126_04.0310.C6
Gene No.	98637	Strand	
Start	1357	End	2080
Name	OJ000126_04.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	1357	End	2080
GI	none	Score	75
Exons	1357..1419, 1359..1421, 1359..1421, 1360..1422, 1414..1530, 1415..1531, 1614..1832, 1616..1837, 1619..1855, 1835..2047, 1887..2021, 2033..2080		
Seq. No.	46475	Seq. ID	OJ000126_04.0310.C7
Gene No.	98638	Strand	
Start	1	End	273
Name	OJ000126_04.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	1	End	273
GI	none	Score	392
Exons	1..273, 3..269		
Seq. No.	46475	Seq. ID	OJ000126_04.0310.C7
Gene No.	98638	Strand	
Start	1	End	273
Name	OJ000126_04.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	273
GI	none	Score	384
Exons	1..273, 3..269		
Seq. No.	46475	Seq. ID	OJ000126_04.0310.C7
Gene No.	98638	Strand	
Start	1	End	273
Name	OJ000126_04.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	273
GI	none	Score	410
Exons	1..273, 1..132, 3..272		
Seq. No.	46476	Seq. ID	OJ000126_04.0310.C8
Gene No.	98639	Strand	
Start	2602	End	4126
Name	OJ000126_04.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	2602	End	4126
GI	none	Score	80
Exons	2602..2694, 3113..3181, 3114..3182, 3116..3196, 3259..3339, 3289..3339, 3408..3470, 3409..3468, 4007..4126, 4007..4054		
Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98640	Strand	-
Start	224	End	711
Name	OJ000126_04.0310.C9.o1.ts	Method	TBLASTX:Soybean

Start	162	End	527
GI	none	Score	73
Exons	162..347, 230..349, 232..348, 471..527		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98640	Strand	-
Start	224	End	711
Name	OJ000126_04.0310.C9.o8.tw	Method	TBLASTX:Wheat
Start	187	End	572
GI	none	Score	156
Exons	187..348, 225..344, 232..348, 469..519, 471..521, 472..531, 525..572		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98640	Strand	-
Start	224	End	711
Name	OJ000126_04.0310.C9.o1.gp	Method	AAT/GAP
Start	224	End	711
GI	18418_2.R1084	Score	623
Exons	224..347, 470..711		
GI Descrip.	'5541704/emb|CAB51209.1| 2.0e-47 (AL096860) 40S RIBOSOMAL PROTEIN S20 homolog [Arabidopsis thaliana]'		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98640	Strand	-
Start	224	End	711
Name	OJ000126_04.0310.C9.o4.tm	Method	TBLASTX:Maize
Start	225	End	516
GI	none	Score	155
Exons	225..338, 230..349, 232..348, 472..516, 472..513		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98640	Strand	-
Start	224	End	711
Name	OJ000126_04.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	230	End	534
GI	none	Score	131
Exons	230..349, 231..356, 232..348, 471..527, 472..534		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98641	Strand	
Start	3063	End	3413
Name	OJ000126_04.0310.C9.o5.tm	Method	TBLASTX:Maize
Start	3063	End	3302
GI	none	Score	193
Exons	3063..3302, 3179..3301		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98641	Strand	
Start	3063	End	3413
Name	OJ000126_04.0310.C9.o5.tw	Method	TBLASTX:Wheat
Start	3075	End	3413
GI	none	Score	110
Exons	3075..3173, 3080..3145, 3162..3413, 3173..3379		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98642	Strand	

Start	4128	End	4614
Name	OJ000126_04.0310.C9.o2.tw	Method	TBLASTX:Wheat
Start	4128	End	4614
GI	none	Score	411
Exons	4128..4301, 4129..4614, 4323..4583		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	4778	End	6631
GI	none	Score	185
Exons	4778..5221, 4780..5241, 4782..5234, 6584..6631		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o3.ts	Method	TBLASTX:Soybean
Start	4819	End	5184
GI	none	Score	113
Exons	4819..5043, 5050..5184		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	4909	End	5265
GI	none	Score	377
Exons	4909..5265, 4950..5255, 4960..5265		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o3.tm	Method	TBLASTX:Maize
Start	5292	End	5636
GI	none	Score	274
Exons	5292..5576, 5293..5577, 5565..5636		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o3.tw	Method	TBLASTX:Wheat
Start	5350	End	5768
GI	none	Score	264
Exons	5350..5580, 5351..5533, 5353..5571, 5448..5579, 5562..5768, 5588..5764		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	5398	End	5798
GI	none	Score	145
Exons	5398..5571, 5568..5798		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	

Start	4778	End	6980
Name	OJ000126_04.0310.C9.o6.tw	Method	TBLASTX:Wheat
Start	6102	End	6395
GI	none	Score	263
Exons	6102..6395, 6161..6394		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o4.ts	Method	TBLASTX:Soybean
Start	6354	End	6920
GI	5666795	Score	56
Exons	6354..6452, 6528..6665, 6720..6920		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98643	Strand	
Start	4778	End	6980
Name	OJ000126_04.0310.C9.o9.tw	Method	TBLASTX:Wheat
Start	6720	End	6980
GI	none	Score	189
Exons	6720..6980		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98644	Strand	
Start	7174	End	7692
Name	OJ000126_04.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	7174	End	7497
GI	none	Score	364
Exons	7174..7497, 7203..7484		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98644	Strand	
Start	7174	End	7692
Name	OJ000126_04.0310.C9.o4.tw	Method	TBLASTX:Wheat
Start	7311	End	7692
GI	none	Score	368
Exons	7311..7388, 7312..7692, 7409..7552, 7416..7661		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98645	Strand	
Start	7693	End	8307
Name	OJ000126_04.0310.C9.o7.tw	Method	TBLASTX:Wheat
Start	7693	End	8295
GI	none	Score	259
Exons	7693..7977, 7698..7976, 7833..8003, 8169..8291, 8170..8295		

Seq. No.	46477	Seq. ID	OJ000126_04.0310.C9
Gene No.	98645	Strand	
Start	7693	End	8307
Name	OJ000126_04.0310.C9.o6.tm	Method	TBLASTX:Maize
Start	8164	End	8307
GI	none	Score	184
Exons	8164..8307, 8169..8303		

Seq. No.	46478	Seq. ID	OJ000126_04.0310.C10
Gene No.	98646	Strand	-

Start	5407	End	5994
Name	OJ000126_04.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	5391	End	5994
GI	none	Score	105
Exons	5391..5501, 5392..5490, 5581..5622, 5582..5623, 5585..5623, 5831..5902, 5832..5906, 5833..5910, 5920..5994, 5945..5962		

Seq. No.	46478	Seq. ID	OJ000126_04.0310.C10
Gene No.	98646	Strand	-
Start	5407	End	5994
Name	OJ000126_04.0310.C10.o1.gp	Method	AAT/GAP
Start	5407	End	5957
GI	2427674	Score	897
Exons	5407..5493, 5582..5957		

Seq. No.	46479	Seq. ID	OJ000126_04.0310.C12
Gene No.	98647	Strand	-
Start	1798	End	2174
Name	OJ000126_04.0310.C12.o1.gp	Method	AAT/GAP
Start	1798	End	2163
GI	18418_2.R1084	Score	678
Exons	1798..2163		
GI Descrip.	'5541704/emb|CAB51209.1| 2.0e-47 (AL096860) 40S RIBOSOMAL PROTEIN S20 homolog [Arabidopsis thaliana]'		

Seq. No.	46479	Seq. ID	OJ000126_04.0310.C12
Gene No.	98647	Strand	-
Start	1798	End	2174
Name	OJ000126_04.0310.C12.o1.tw	Method	TBLASTX:Wheat
Start	2014	End	2168
GI	none	Score	106
Exons	2014..2097, 2018..2098, 2036..2098, 2097..2168, 2103..2162		

Seq. No.	46479	Seq. ID	OJ000126_04.0310.C12
Gene No.	98647	Strand	-
Start	1798	End	2174
Name	OJ000126_04.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	2020	End	2174
GI	none	Score	123
Exons	2020..2097, 2021..2098, 2036..2098, 2096..2173, 2097..2174, 2103..2162		

Seq. No.	46480	Seq. ID	OJ000126_04.0310.C14
Gene No.	98648	Strand	-
Start	5041	End	5422
Name	OJ000126_04.0310.C14.o1.gp	Method	AAT/GAP
Start	5041	End	5422
GI	uC-osf1cyp033a04b1	Score	643
Exons	5041..5422		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46481	Seq. ID	OJ000126_04.0310.C15
Gene No.	98649	Strand	
Start	292	End	741
Name	OJ000126_04.0310.C15.o1.tm	Method	TBLASTX:Maize
Start	292	End	639

GI	none	Score	342
Exons	292..639, 387..638		
Seq. No.	46481	Seq. ID	OJ000126_04.0310.C15
Gene No.	98649	Strand	
Start	292	End	741
Name	OJ000126_04.0310.C15.o1.ts	Method	TBLASTX:Soybean
Start	304	End	654
GI	none	Score	81
Exons	304..423, 309..422, 429..638,	430..654	
Seq. No.	46481	Seq. ID	OJ000126_04.0310.C15
Gene No.	98649	Strand	
Start	292	End	741
Name	OJ000126_04.0310.C15.o1.tw	Method	TBLASTX:Wheat
Start	361	End	741
GI	none	Score	136
Exons	361..555, 388..555, 547..741		
Seq. No.	46481	Seq. ID	OJ000126_04.0310.C15
Gene No.	98650	Strand	
Start	670	End	912
Name	OJ000126_04.0310.C15.o2.tm	Method	TBLASTX:Maize
Start	670	End	912
GI	none	Score	197
Exons	670..912, 675..773, 852..911		
Seq. No.	46482	Seq. ID	OJ000126_04.0310.C16
Gene No.	98651	Strand	-
Start	476	End	1041
Name	OJ000126_04.0310.C16.o1.gp	Method	AAT/GAP
Start	476	End	1041
GI	4879016	Score	853
Exons	476..1041		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	46483	Seq. ID	OJ000126_04.0310.C17
Gene No.	98653	Strand	-
Start	5442	End	5701
Name	OJ000126_04.0310.C17.o4.gp	Method	AAT/GAP
Start	5442	End	5701
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	5442..5701		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		
Seq. No.	46484	Seq. ID	OJ000126_04.0310.C18
Gene No.	98654	Strand	
Start	1463	End	1736
Name	OJ000126_04.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	1463	End	1736
GI	none	Score	286
Exons	1463..1726, 1483..1695, 1695..1736		
Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19

Gene No.	98655	Strand	-
Start	3357	End	3873
Name	OJ000126_04.0310.C19.o2.gp	Method	AAT/GAP
Start	3357	End	3873
GI	uC-osf1M202048c12b1	Score	833
Exons	3357..3873		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98656	Strand	
Start	6400	End	6601
Name	OJ000126_04.0310.C19.o8.tw	Method	TBLASTX:Wheat
Start	6400	End	6601
GI	none	Score	206
Exons	6400..6600, 6401..6601		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98657	Strand	
Start	6652	End	6997
Name	OJ000126_04.0310.C19.o6.tw	Method	TBLASTX:Wheat
Start	6652	End	6997
GI	none	Score	314
Exons	6652..6783, 6653..6997		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98657	Strand	
Start	6652	End	6997
Name	OJ000126_04.0310.C19.o6.tm	Method	TBLASTX:Maize
Start	6653	End	6952
GI	none	Score	239
Exons	6653..6952, 6679..6783, 6871..6936		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98658	Strand	
Start	7298	End	7699
Name	OJ000126_04.0310.C19.o7.tm	Method	TBLASTX:Maize
Start	7298	End	7618
GI	none	Score	187
Exons	7298..7618		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98658	Strand	
Start	7298	End	7699
Name	OJ000126_04.0310.C19.o7.tw	Method	TBLASTX:Wheat
Start	7352	End	7699
GI	none	Score	235
Exons	7352..7699, 7531..7662		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98659	Strand	
Start	7834	End	8350
Name	OJ000126_04.0310.C19.o4.tw	Method	TBLASTX:Wheat
Start	7834	End	8320
GI	none	Score	534
Exons	7834..8127, 7838..8320, 7949..8311		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98659	Strand	
Start	7834	End	8350
Name	OJ000126_04.0310.C19.o4.ts	Method	TBLASTX:Soybean
Start	7874	End	8188
GI	none	Score	196
Exons	7874..8188		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98659	Strand	
Start	7834	End	8350
Name	OJ000126_04.0310.C19.o4.tm	Method	TBLASTX:Maize
Start	7903	End	8350
GI	none	Score	373
Exons	7903..8085, 7907..8350, 7979..8341		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98660	Strand	
Start	8261	End	8742
Name	OJ000126_04.0310.C19.o1.ts	Method	TBLASTX:Soybean
Start	8261	End	8656
GI	none	Score	57
Exons	8261..8293, 8261..8293, 8297..8350, 8298..8441, 8299..8442, 8402..8599, 8411..8656, 8416..8646		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98660	Strand	
Start	8261	End	8742
Name	OJ000126_04.0310.C19.o5.tw	Method	TBLASTX:Wheat
Start	8396	End	8670
GI	none	Score	339
Exons	8396..8638, 8411..8668, 8416..8670		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98660	Strand	
Start	8261	End	8742
Name	OJ000126_04.0310.C19.o5.tm	Method	TBLASTX:Maize
Start	8423	End	8742
GI	none	Score	302
Exons	8423..8737, 8458..8742		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98661	Strand	
Start	8671	End	9097
Name	OJ000126_04.0310.C19.o3.tw	Method	TBLASTX:Wheat
Start	8671	End	9097
GI	none	Score	595
Exons	8671..9090, 8672..9097, 8747..9097		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98661	Strand	
Start	8671	End	9097
Name	OJ000126_04.0310.C19.o3.ts	Method	TBLASTX:Soybean
Start	8681	End	8926
GI	none	Score	209
Exons	8681..8926		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98661	Strand	
Start	8671	End	9097
Name	OJ000126_04.0310.C19.o2.tm	Method	TBLASTX:Maize
Start	8744	End	9097
GI	none	Score	468
Exons	8744..9097, 8749..9012, 8750..9082, 9058..9090		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98662	Strand	
Start	9122	End	10345
Name	OJ000126_04.0310.C19.o2.tw	Method	TBLASTX:Wheat
Start	9122	End	9664
GI	none	Score	608
Exons	9122..9613, 9128..9664, 9130..9663		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98662	Strand	
Start	9122	End	10345
Name	OJ000126_04.0310.C19.o2.ts	Method	TBLASTX:Soybean
Start	9452	End	9712
GI	none	Score	300
Exons	9452..9712, 9454..9711, 9476..9712		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98662	Strand	
Start	9122	End	10345
Name	OJ000126_04.0310.C19.o3.tm	Method	TBLASTX:Maize
Start	9510	End	9802
GI	none	Score	130
Exons	9510..9797, 9511..9798, 9512..9802		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98662	Strand	
Start	9122	End	10345
Name	OJ000126_04.0310.C19.o1.tw	Method	TBLASTX:Wheat
Start	9671	End	10297
GI	none	Score	727
Exons	9671..10297, 9673..10296		

Seq. No.	46485	Seq. ID	OJ000126_04.0310.C19
Gene No.	98662	Strand	
Start	9122	End	10345
Name	OJ000126_04.0310.C19.o1.tm	Method	TBLASTX:Maize
Start	9851	End	10345
GI	none	Score	230
Exons	9851..10012, 9857..10003, 9859..10014, 9859..10005, 10009..10344, 10010..10345		

Seq. No.	46486	Seq. ID	OJ000126_03.0310.C1
Gene No.	98663	Strand	
Start	1	End	856
Name	OJ000126_03.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	856
GI	none	Score	125
Exons	1..96, 1..99, 2..103, 5..100, 186..404, 192..404, 193..429, 197..430, 410..484, 410..490, 483..602, 483..602, 594..695,		

594..701, 697..855, 700..855, 710..856

Seq. No.	46486	Seq. ID	OJ000126_03.0310.C1
Gene No.	98663	Strand	
Start	1	End	856
Name	OJ000126_03.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	407
GI	none	Score	129
Exons	2..103, 4..99, 177..380, 192..407, 280..396		

Seq. No.	46486	Seq. ID	OJ000126_03.0310.C1
Gene No.	98663	Strand	
Start	1	End	856
Name	OJ000126_03.0310.C1.o1.tc	Method	TBLASTX:Cress
Start	14	End	398
GI	none	Score	96
Exons	14..100, 16..99, 147..380, 195..398, 286..396		

Seq. No.	46487	Seq. ID	OJ000126_03.0310.C3
Gene No.	98664	Strand	-
Start	7371	End	8742
Name	OJ000126_03.0310.C3.o1.gp	Method	AAT/GAP
Start	7371	End	8742
GI	none	Score	1174
Exons	7371..7806, 7905..7997, 8081..8136, 8575..8742		

Seq. No.	46487	Seq. ID	OJ000126_03.0310.C3
Gene No.	98665	Strand	-
Start	10335	End	11231
Name	OJ000126_03.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	7633	End	10694
GI	none	Score	170
Exons	7633..7830, 7643..7804, 7878..7979, 7879..7980, 8082..8162, 8089..8139, 8575..8628, 8631..8717, 8632..8724, 8639..8719, 8731..8814, 8743..8814, 8753..8827, 8830..8886, 8832..8891, 9808..9903, 9808..9903, 9811..9897, 9815..9901, 9815..9895, 9815..9895, 9816..9902, 9816..9902, 9816..9896, 9820..9903, 9822..9902, 9825..9902, 9825..9899, 9832..9906, 9832..9903, 9835..9903, 9835..9903, 9835..9903, 9839..9901, 9889..9996, 9894..9998, 9904..10020, 9904..9999, 9906..9998, 9906..10001, 9906..9998, 9906..9998, 9906..9998, 9906..10079, 9907..10002, 9907..9999, 9907..9999, 9907..9996, 9907..10008, 9908..10036, 9908..10000, 9910..10005, 9910..9999, 9911..10000, 9918..9998, 9919..9999, 9928..9987, 9975..10163, 10024..10164, 10025..10162, 10025..10084, 10026..10163, 10037..10087, 10232..10516, 10267..10524, 10268..10516, 10583..10690, 10599..10694, 10605..10688, 10615..10689		

Seq. No.	46487	Seq. ID	OJ000126_03.0310.C3
Gene No.	98665	Strand	-
Start	10335	End	11231
Name	OJ000126_03.0310.C3.o2.gp	Method	AAT/GAP
Start	10335	End	11231
GI	uC-osf1cyp081e03b1	Score	835
Exons	10335..10515, 10608..10691, 11026..11231		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46488	Seq. ID	OJ000126_03.0310.C4
Gene No.	98666	Strand	
Start	817	End	2323
Name	OJ000126_03.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	817	End	1758
GI	none	Score	148
Exons	817..1158, 845..1156, 1090..1248, 1276..1569, 1615..1758		

Seq. No.	46488	Seq. ID	OJ000126_03.0310.C4
Gene No.	98666	Strand	
Start	817	End	2323
Name	OJ000126_03.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	826	End	2323
GI	none	Score	67
Exons	826..1293, 898..1521, 985..1428, 997..1710, 1066..1701, 1091..1417, 1270..1746, 1270..1626, 1279..1746, 1376..1690, 1384..1758, 1385..1660, 1385..1519, 1414..1668, 1429..1602, 1477..1749, 1534..1707, 1544..1714, 1758..1826, 1808..1990, 1841..1945, 1857..1976, 1865..1999, 2009..2137, 2012..2128, 2012..2104, 2018..2293, 2168..2323		

Seq. No.	46488	Seq. ID	OJ000126_03.0310.C4
Gene No.	98666	Strand	
Start	817	End	2323
Name	OJ000126_03.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	958	End	2317
GI	none	Score	66
Exons	958..1188, 1057..1248, 1078..1416, 1124..1375, 1126..1389, 1171..1521, 1231..1458, 1244..1441, 1270..1626, 1336..1575, 1357..1743, 1453..1662, 1477..1758, 1546..1758, 1817..1999, 1823..1993, 1823..1990, 1823..1954, 1856..1990, 1949..1987, 2015..2125, 2018..2104, 2036..2200, 2138..2317, 2177..2317		

Seq. No.	46488	Seq. ID	OJ000126_03.0310.C4
Gene No.	98666	Strand	
Start	817	End	2323
Name	OJ000126_03.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	1856	End	2221
GI	none	Score	144
Exons	1856..2101, 1856..2119, 1863..2120, 2111..2221		

Seq. No.	46489	Seq. ID	OJ000126_03.0310.C6
Gene No.	98667	Strand	-
Start	381	End	669
Name	OJ000126_03.0310.C6.o1.gp	Method	AAT/GAP
Start	381	End	669
GI	426253	Score	534
Exons	381..669		

Seq. No.	46489	Seq. ID	OJ000126_03.0310.C6
Gene No.	98668	Strand	
Start	896	End	1324
Name	OJ000126_03.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	896	End	1324
GI	none	Score	61
Exons	896..1168, 902..1150, 1028..1168, 1235..1324, 1235..1312		

Seq. No.	46490	Seq. ID	OJ000126_03.0310.C7
Gene No.	98669	Strand	
Start	2449	End	3535
Name	OJ000126_03.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	2449	End	3439
GI	none	Score	316
Exons	2449..2727, 2449..2727, 3377..3439		

Seq. No.	46490	Seq. ID	OJ000126_03.0310.C7
Gene No.	98669	Strand	
Start	2449	End	3535
Name	OJ000126_03.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	2479	End	3535
GI	none	Score	91
Exons	2479..2718, 2499..2702, 2500..2721, 2529..2720, 3326..3535		

Seq. No.	46490	Seq. ID	OJ000126_03.0310.C7
Gene No.	98670	Strand	
Start	4548	End	4809
Name	OJ000126_03.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	4548	End	4809
GI	none	Score	44
Exons	4548..4610, 4557..4586, 4559..4609, 4609..4728, 4609..4728, 4613..4729, 4644..4742, 4711..4809, 4744..4809		

Seq. No.	46490	Seq. ID	OJ000126_03.0310.C7
Gene No.	98671	Strand	
Start	6706	End	7463
Name	OJ000126_03.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	6706	End	7463
GI	none	Score	330
Exons	6706..7032, 6710..7033, 6710..7042, 6714..7061, 6888..7049, 7383..7463, 7391..7462		

Seq. No.	46491	Seq. ID	OJ000126_03.0310.C10
Gene No.	98672	Strand	
Start	72	End	315
Name	OJ000126_03.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	72	End	309
GI	none	Score	241
Exons	72..308, 97..309		

Seq. No.	46491	Seq. ID	OJ000126_03.0310.C10
Gene No.	98672	Strand	
Start	72	End	315
Name	OJ000126_03.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	90	End	315
GI	none	Score	204
Exons	90..257, 90..260, 91..258, 282..308, 283..315		

Seq. No.	46492	Seq. ID	OJ000126_03.0310.C11
Gene No.	98673	Strand	-
Start	22	End	874
Name	OJ000126_03.0310.C11.o1.gp	Method	AAT/GAP
Start	22	End	874
GI	uC-osf1M202089e01b1	Score	870

Exons	22..347, 752..874		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46493	Seq. ID	OJ000126_03.0310.C14
Gene No.	98674	Strand	
Start	67	End	1321
Name	OJ000126_03.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	67	End	948
GI	none	Score	803
Exons	67..666, 69..617, 475..822, 481..768, 580..912, 580..720, 595..675, 745..948		

Seq. No.	46493	Seq. ID	OJ000126_03.0310.C14
Gene No.	98674	Strand	
Start	67	End	1321
Name	OJ000126_03.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	70	End	1321
GI	none	Score	139
Exons	70..501, 73..405, 295..453, 390..1277, 391..1284, 392..1306, 393..1313, 574..1311, 1082..1321		

Seq. No.	46493	Seq. ID	OJ000126_03.0310.C14
Gene No.	98674	Strand	
Start	67	End	1321
Name	OJ000126_03.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	103	End	1312
GI	none	Score	75
Exons	103..285, 118..300, 295..453, 331..456, 702..1277, 712..1278, 742..1293, 1085..1312		

Seq. No.	46493	Seq. ID	OJ000126_03.0310.C14
Gene No.	98674	Strand	
Start	67	End	1321
Name	OJ000126_03.0310.C14.o2.tc	Method	TBLASTX:Cress
Start	456	End	699
GI	none	Score	223
Exons	456..686, 457..684, 580..699		

Seq. No.	46493	Seq. ID	OJ000126_03.0310.C14
Gene No.	98674	Strand	
Start	67	End	1321
Name	OJ000126_03.0310.C14.o2.ts	Method	TBLASTX:Soybean
Start	948	End	1285
GI	none	Score	503
Exons	948..1277, 949..1278, 1082..1285		

Seq. No.	46494	Seq. ID	OJ000126_03.0310.C17
Gene No.	98675	Strand	-
Start	354	End	1659
Name	OJ000126_03.0310.C17.o1.tm	Method	TBLASTX:Maize
Start	64	End	1545
GI	none	Score	91
Exons	64..120, 67..117, 68..121, 222..437, 233..439, 244..438, 555..683, 557..709, 560..709, 1312..1425, 1317..1421, 1319..1429, 1522..1545, 1522..1545		

Seq. No.	46494	Seq. ID	OJ000126_03.0310.C17
Gene No.	98675	Strand	-
Start	354	End	1659
Name	OJ000126_03.0310.C17.o1.tc	Method	TBLASTX:Cress
Start	237	End	1367
GI	none	Score	53
Exons	237..314, 252..314, 262..351, 315..428, 316..405, 501..539, 590..709, 591..707, 1311..1367, 1318..1365		

Seq. No.	46494	Seq. ID	OJ000126_03.0310.C17
Gene No.	98675	Strand	-
Start	354	End	1659
Name	OJ000126_03.0310.C17.o1.gp	Method	AAT/GAP
Start	354	End	1659
GI	5667191	Score	856
Exons	354..438, 561..706, 1320..1422, 1523..1659		
GI Descrip.	4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	46494	Seq. ID	OJ000126_03.0310.C17
Gene No.	98675	Strand	-
Start	354	End	1659
Name	OJ000126_03.0310.C17.o1.ts	Method	TBLASTX:Soybean
Start	372	End	1651
GI	none	Score	90
Exons	372..440, 581..718, 588..695, 1311..1385, 1311..1385, 1318..1386, 1389..1427, 1391..1423, 1522..1578, 1532..1579, 1576..1650, 1577..1651		

Seq. No.	46494	Seq. ID	OJ000126_03.0310.C17
Gene No.	98675	Strand	-
Start	354	End	1659
Name	OJ000126_03.0310.C17.o2.tm	Method	TBLASTX:Maize
Start	1546	End	1655
GI	none	Score	169
Exons	1546..1653, 1547..1654, 1548..1655		

Seq. No.	46495	Seq. ID	OJ000126_03.0310.C18
Gene No.	98676	Strand	-
Start	1	End	216
Name	OJ000126_03.0310.C18.o1.gp	Method	AAT/GAP
Start	1	End	216
GI	5667191	Score	228
Exons	1..50, 141..216		
GI Descrip.	4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	46495	Seq. ID	OJ000126_03.0310.C18
Gene No.	98677	Strand	-
Start	2285	End	2646
Name	OJ000126_03.0310.C18.o2.gp	Method	AAT/GAP
Start	2285	End	2646
GI	LIB3479-006-Q6-K1-B11	Score	493
Exons	2285..2646		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46495	Seq. ID	OJ000126_03.0310.C18
Gene No.	98678	Strand	-
Start	3308	End	4175
Name	OJ000126_03.0310.C18.o2.tm	Method	TBLASTX:Maize
Start	2	End	544
GI	none	Score	66
Exons	2..49, 2..49, 128..247, 251..283, 252..281, 323..442, 350..427, 387..443, 515..544		

Seq. No.	46495	Seq. ID	OJ000126_03.0310.C18
Gene No.	98678	Strand	-
Start	3308	End	4175
Name	OJ000126_03.0310.C18.o3.gp	Method	AAT/GAP
Start	3308	End	4087
GI	25586_1.R1084	Score	1301
Exons	3308..3857, 3974..4087		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-11 (AF128393) No definition line found [Arabidopsis thaliana]'		

Seq. No.	46495	Seq. ID	OJ000126_03.0310.C18
Gene No.	98678	Strand	-
Start	3308	End	4175
Name	OJ000126_03.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	3690	End	4170
GI	none	Score	142
Exons	3690..3806, 3691..3807, 3788..3859, 3799..3858, 3810..3860, 3813..3869, 3974..4087, 3978..4082, 4058..4126, 4066..4128, 4084..4128, 4129..4170, 4134..4166		

Seq. No.	46495	Seq. ID	OJ000126_03.0310.C18
Gene No.	98678	Strand	-
Start	3308	End	4175
Name	OJ000126_03.0310.C18.o1.ts	Method	TBLASTX:Soybean
Start	3708	End	4158
GI	none	Score	127
Exons	3708..3860, 3709..3858, 3974..4087, 3978..4085, 4055..4144, 4060..4122, 4084..4158		

Seq. No.	46495	Seq. ID	OJ000126_03.0310.C18
Gene No.	98678	Strand	-
Start	3308	End	4175
Name	OJ000126_03.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	3810	End	4175
GI	none	Score	71
Exons	3810..3860, 3811..3858, 3813..3860, 3974..4084, 3974..4087, 3978..4124, 3978..4097, 4066..4170, 4084..4173, 4086..4175		

Seq. No.	46496	Seq. ID	OJ000126_03.0310.C21
Gene No.	98679	Strand	+
Start	1097	End	1322
Name	OJ000126_03.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	3	End	441
GI	none	Score	99
Exons	3..125, 4..87, 12..125, 191..436, 202..441, 211..441		

Seq. No.	46496	Seq. ID	OJ000126_03.0310.C21
Gene No.	98679	Strand	+

Start	1097	End	1322
Name	OJ000126_03.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	18	End	682
GI	none	Score	51
Exons	18..116, 19..72, 195..293, 202..441, 203..448, 205..450, 520..549, 577..675, 581..682		

Seq. No.	46496	Seq. ID	OJ000126_03.0310.C21
Gene No.	98679	Strand	+
Start	1097	End	1322
Name	OJ000126_03.0310.C21.o1.tw	Method	TBLASTX:Wheat
Start	233	End	624
GI	none	Score	249
Exons	233..436, 235..441, 348..455, 461..622, 514..624, 520..621		

Seq. No.	46496	Seq. ID	OJ000126_03.0310.C21
Gene No.	98679	Strand	+
Start	1097	End	1322
Name	OJ000126_03.0310.C21.o1.gp	Method	AAT/GAP
Start	1097	End	1322
GI	32946_1.R1084	Score	397
Exons	1097..1322		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	46496	Seq. ID	OJ000126_03.0310.C21
Gene No.	98679	Strand	+
Start	1097	End	1322
Name	OJ000126_03.0310.C21.o2.tw	Method	TBLASTX:Wheat
Start	1167	End	1319
GI	none	Score	191
Exons	1167..1316, 1180..1317, 1245..1319, 1247..1318		

Seq. No.	46496	Seq. ID	OJ000126_03.0310.C21
Gene No.	98679	Strand	+
Start	1097	End	1322
Name	OJ000126_03.0310.C21.o2.tm	Method	TBLASTX:Maize
Start	1170	End	1317
GI	none	Score	187
Exons	1170..1316, 1180..1317		

Seq. No.	46497	Seq. ID	OJ000126_03.0310.C22
Gene No.	98680	Strand	-
Start	2793	End	3223
Name	OJ000126_03.0310.C22.o1.tm	Method	TBLASTX:Maize
Start	1456	End	2037
GI	none	Score	212
Exons	1456..1713, 1463..1684, 1471..1707, 1724..2032, 1798..2037		

Seq. No.	46497	Seq. ID	OJ000126_03.0310.C22
Gene No.	98680	Strand	-
Start	2793	End	3223
Name	OJ000126_03.0310.C22.o1.ts	Method	TBLASTX:Soybean
Start	1615	End	2277
GI	none	Score	191
Exons	1615..1713, 1798..2037, 1799..2038, 1801..2046, 1913..2041, 2115..2144, 2172..2270, 2176..2277		

Seq. No.	46497	Seq. ID	OJ000126_03.0310.C22
Gene No.	98680	Strand	-
Start	2793	End	3223
Name	OJ000126_03.0310.C22.o1.tw	Method	TBLASTX:Wheat
Start	1829	End	2220
GI	none	Score	201
Exons	1829..2032, 1831..2037, 1832..2047, 2109..2204, 2115..2216, 2116..2220		

Seq. No.	46497	Seq. ID	OJ000126_03.0310.C22
Gene No.	98680	Strand	-
Start	2793	End	3223
Name	OJ000126_03.0310.C22.o2.tm	Method	TBLASTX:Maize
Start	2116	End	3185
GI	none	Score	37
Exons	2116..2142, 2118..2144, 2172..2276, 2173..2274, 2796..3017, 2796..3023, 3100..3135, 3137..3184, 3138..3185		

Seq. No.	46497	Seq. ID	OJ000126_03.0310.C22
Gene No.	98680	Strand	-
Start	2793	End	3223
Name	OJ000126_03.0310.C22.o1.gp	Method	AAT/GAP
Start	2793	End	3223
GI	32946_1.R1084	Score	572
Exons	2793..3013, 3107..3223		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	46497	Seq. ID	OJ000126_03.0310.C22
Gene No.	98680	Strand	-
Start	2793	End	3223
Name	OJ000126_03.0310.C22.o2.ts	Method	TBLASTX:Soybean
Start	2793	End	3136
GI	none	Score	97
Exons	2793..2996, 2793..2999, 2947..3054, 3086..3136		

Seq. No.	46497	Seq. ID	OJ000126_03.0310.C22
Gene No.	98680	Strand	-
Start	2793	End	3223
Name	OJ000126_03.0310.C22.o2.tw	Method	TBLASTX:Wheat
Start	2811	End	3199
GI	none	Score	226
Exons	2811..3014, 2814..3017, 2915..3016, 3100..3135, 3105..3137, 3137..3199, 3138..3197		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98681	Strand	-
Start	454	End	798
Name	OJ000126_03.0310.C23.o1.gp	Method	AAT/GAP
Start	454	End	798
GI	none	Score	643
Exons	454..798		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98682	Strand	-
Start	1213	End	2468

Name	OJ000126_03.0310.C23.o1.tm	Method	TBLASTX:Maize
Start	683	End	1263
GI	none	Score	199
Exons	683..940, 694..948, 697..948, 1024..1263, 1025..1258, 1033..1263		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98682	Strand	-
Start	1213	End	2468
Name	OJ000126_03.0310.C23.o1.ts	Method	TBLASTX:Soybean
Start	841	End	1508
GI	none	Score	55
Exons	841..939, 842..895, 1014..1259, 1024..1263, 1025..1270, 1139..1267, 1346..1375, 1385..1507, 1392..1508		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98682	Strand	-
Start	1213	End	2468
Name	OJ000126_03.0310.C23.o1.tw	Method	TBLASTX:Wheat
Start	1055	End	1451
GI	none	Score	196
Exons	1055..1258, 1057..1263, 1061..1267, 1062..1277, 1329..1448, 1345..1449, 1346..1450, 1347..1451		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98682	Strand	-
Start	1213	End	2468
Name	OJ000126_03.0310.C23.o2.gp	Method	AAT/GAP
Start	1213	End	2468
GI	32946_1.R1084	Score	889
Exons	1213..1260, 1343..1504, 2101..2318, 2406..2468		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98682	Strand	-
Start	1213	End	2468
Name	OJ000126_03.0310.C23.o2.tw	Method	TBLASTX:Wheat
Start	2119	End	2468
GI	none	Score	212
Exons	2119..2322, 2155..2319, 2220..2321, 2404..2466, 2405..2467, 2406..2468		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98682	Strand	-
Start	1213	End	2468
Name	OJ000126_03.0310.C23.o2.tm	Method	TBLASTX:Maize
Start	2161	End	2467
GI	none	Score	199
Exons	2161..2319, 2177..2320, 2404..2466, 2405..2467		

Seq. No.	46498	Seq. ID	OJ000126_03.0310.C23
Gene No.	98682	Strand	-
Start	1213	End	2468
Name	OJ000126_03.0310.C23.o2.ts	Method	TBLASTX:Soybean
Start	2167	End	2466
GI	none	Score	90
Exons	2167..2307, 2189..2308, 2404..2466		

Seq. No.	46499	Seq. ID	OJ000126_03.0310.C24
Gene No.	98683	Strand	-
Start	3747	End	3862
Name	OJ000126_03.0310.C24.o2.tm	Method	TBLASTX:Maize
Start	2265	End	3395
GI	none	Score	188
Exons	2265..2456, 2266..2439, 2401..2520, 2402..2524, 2422..2526, 3156..3395, 3159..3356, 3163..3393		

Seq. No.	46499	Seq. ID	OJ000126_03.0310.C24
Gene No.	98683	Strand	-
Start	3747	End	3862
Name	OJ000126_03.0310.C24.o1.ts	Method	TBLASTX:Soybean
Start	3156	End	3638
GI	none	Score	145
Exons	3156..3398, 3163..3399, 3491..3511, 3522..3638, 3533..3637		

Seq. No.	46499	Seq. ID	OJ000126_03.0310.C24
Gene No.	98683	Strand	-
Start	3747	End	3862
Name	OJ000126_03.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	3187	End	3596
GI	none	Score	130
Exons	3187..3393, 3189..3398, 3491..3586, 3495..3596		

Seq. No.	46499	Seq. ID	OJ000126_03.0310.C24
Gene No.	98683	Strand	-
Start	3747	End	3862
Name	OJ000126_03.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	3491	End	3862
GI	none	Score	347
Exons	3491..3511, 3509..3646, 3510..3851, 3698..3856, 3758..3862, 3760..3861		

Seq. No.	46499	Seq. ID	OJ000126_03.0310.C24
Gene No.	98683	Strand	-
Start	3747	End	3862
Name	OJ000126_03.0310.C24.o2.tw	Method	TBLASTX:Wheat
Start	3695	End	3862
GI	none	Score	170
Exons	3695..3856, 3705..3851, 3758..3862, 3760..3861		

Seq. No.	46499	Seq. ID	OJ000126_03.0310.C24
Gene No.	98683	Strand	-
Start	3747	End	3862
Name	OJ000126_03.0310.C24.o1.gp	Method	AAT/GAP
Start	3747	End	3855
GI	uC-osroM202010h09b1	Score	182
Exons	3747..3855		
GI Descrip.	'407938 4.0e-10 (U02494) epoxide hydrolase [Solanum tuberosum]'		

Seq. No.	46500	Seq. ID	OJ000126_03.0310.C25
Gene No.	98684	Strand	-
Start	3177	End	3361
Name	OJ000126_03.0310.C25.o1.gp	Method	AAT/GAP
Start	3177	End	3361

GI	none	Score	358
Exons	3177..3361		
Seq. No.	46500	Seq. ID	OJ000126_03.0310.C25
Gene No.	98685	Strand	
Start	3412	End	4239
Name	OJ000126_03.0310.C25.o1.tm	Method	TBLASTX:Maize
Start	3412	End	4239
GI	none	Score	96
Exons	3412..3498, 3424..3477, 3594..3794, 3595..3813, 4080..4175, 4081..4179, 4213..4239		
Seq. No.	46500	Seq. ID	OJ000126_03.0310.C25
Gene No.	98685	Strand	
Start	3412	End	4239
Name	OJ000126_03.0310.C25.o1.tw	Method	TBLASTX:Wheat
Start	3418	End	3798
GI	none	Score	83
Exons	3418..3498, 3435..3497, 3594..3794, 3595..3798		
Seq. No.	46500	Seq. ID	OJ000126_03.0310.C25
Gene No.	98685	Strand	
Start	3412	End	4239
Name	OJ000126_03.0310.C25.o1.ts	Method	TBLASTX:Soybean
Start	3436	End	4239
GI	none	Score	65
Exons	3436..3519, 3610..3816, 3624..3794, 4077..4181, 4081..4182, 4213..4239		
Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98686	Strand	+
Start	1	End	565
Name	OJ000126_03.0310.C26.o1.gp	Method	AAT/GAP
Start	1	End	565
GI	uC-osroM202031e06b1	Score	840
Exons	1..54, 184..565		
GI Descrip.	'4454471/gb|AAD20918| 2.0e-21 (AC006234) putative G protein coupled receptor [Arabidopsis thaliana]'		
Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98687	Strand	-
Start	2013	End	2591
Name	OJ000126_03.0310.C26.o2.gp	Method	AAT/GAP
Start	2013	End	2591
GI	699937	Score	624
Exons	2013..2100, 2204..2320, 2443..2591		
GI Descrip.	4454471/gb|AAD20918| 2.0e-21 (AC006234) putative G protein coupled receptor [Arabidopsis thaliana]		
Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o4.tm	Method	TBLASTX:Maize
Start	218	End	432
GI	none	Score	196
Exons	218..424, 221..295, 322..417, 331..432		

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o3.ts	Method	TBLASTX:Soybean
Start	226	End	424
GI	none	Score	93
Exons	226..399, 227..421, 227..424		

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o1.ts	Method	TBLASTX:Soybean
Start	1226	End	1499
GI	none	Score	256
Exons	1226..1498, 1233..1499		

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o1.tc	Method	TBLASTX:Cress
Start	1238	End	1562
GI	none	Score	76
Exons	1238..1333, 1358..1552, 1392..1562		

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o2.tm	Method	TBLASTX:Maize
Start	1241	End	1511
GI	none	Score	288
Exons	1241..1504, 1241..1510, 1245..1511		

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o2.ts	Method	TBLASTX:Soybean
Start	1783	End	2556
GI	none	Score	70
Exons	1783..1887, 1793..1888, 1888..2046, 1889..2044, 1915..2046, 2195..2293, 2211..2294, 2431..2556		

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	1792	End	2101
GI	none	Score	331
Exons	1792..2097, 1793..2101, 1821..2099		

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o3.tm	Method	TBLASTX:Maize
Start	2246	End	3125
GI	none	Score	102
Exons	2246..2320, 2247..2321, 2248..2322, 2248..2322, 2388..2552, 2435..2560, 2440..2553, 2680..2748, 2681..2746, 2749..2862,		

2750..2776, 2762..2926, 2974..3042, 2975..3046, 3057..3125, 3062..3124

Seq. No.	46501	Seq. ID	OJ000126_03.0310.C26
Gene No.	98688	Strand	-
Start	4582	End	4687
Name	OJ000126_03.0310.C26.o3.gp	Method	AAT/GAP
Start	4582	End	4687
GI	LIB3477-003-P1-K1-E9	Score	168
Exons	4582..4687		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46502	Seq. ID	OJ000126_03.0310.C27
Gene No.	98689	Strand	
Start	121	End	3010
Name	OJ000126_03.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	121	End	2059
GI	none	Score	89
Exons	121..222, 122..223, 303..506, 310..507, 596..748, 610..726, 1969..2058, 1970..2059		

Seq. No.	46502	Seq. ID	OJ000126_03.0310.C27
Gene No.	98689	Strand	
Start	121	End	3010
Name	OJ000126_03.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	148	End	711
GI	none	Score	84
Exons	148..222, 155..223, 303..506, 306..434, 310..507, 596..703, 599..703, 610..711, 639..710		

Seq. No.	46502	Seq. ID	OJ000126_03.0310.C27
Gene No.	98689	Strand	
Start	121	End	3010
Name	OJ000126_03.0310.C27.o1.tc	Method	TBLASTX:Cress
Start	157	End	2238
GI	none	Score	70
Exons	157..222, 167..223, 173..238, 303..416, 310..402, 471..506, 596..727, 610..726, 1972..2064, 1973..2065, 2143..2235, 2152..2238		

Seq. No.	46502	Seq. ID	OJ000126_03.0310.C27
Gene No.	98689	Strand	
Start	121	End	3010
Name	OJ000126_03.0310.C27.o2.ts	Method	TBLASTX:Soybean
Start	1962	End	3010
GI	none	Score	95
Exons	1962..2066, 1969..2067, 1970..2068, 2137..2235, 2149..2247, 2150..2248, 2933..3010, 2944..3009		

Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98690	Strand	-
Start	2969	End	5093
Name	OJ000126_03.0310.C28.o3.ts	Method	TBLASTX:Soybean
Start	2541	End	2796
GI	none	Score	48

Exons	2541..2672, 2583..2660, 2584..2661, 2584..2676, 2679..2789, 2689..2796, 2690..2791, 2691..2792		
Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98690	Strand	-
Start	2969	End	5093
Name	OJ000126_03.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	2583	End	5090
GI	none	Score	65
Exons	2583..2657, 2584..2658, 2584..2679, 2683..2793, 2705..2788, 2983..3207, 2988..3245, 2997..3245, 3374..3511, 3379..3531, 3380..3508, 3384..3512, 3894..4253, 3898..4242, 4248..4427, 4249..4395, 4985..5065, 4985..5062, 4989..5090, 4999..5070		
Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98690	Strand	-
Start	2969	End	5093
Name	OJ000126_03.0310.C28.o1.tc	Method	TBLASTX:Cress
Start	2584	End	4359
GI	none	Score	58
Exons	2584..2676, 2585..2629, 2689..2793, 2717..2788, 2983..3183, 2988..3188, 2992..3189, 3352..3534, 3403..3510, 3870..4253, 3898..4233, 4248..4358, 4249..4359		
Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98690	Strand	-
Start	2969	End	5093
Name	OJ000126_03.0310.C28.o1.gp	Method	AAT/GAP
Start	2969	End	3246
GI	3107389	Score	541
Exons	2969..3246		
GI Descrip.	3559805/emb|CAA07251| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]		
Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98690	Strand	-
Start	2969	End	5093
Name	OJ000126_03.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	2988	End	5093
GI	none	Score	143
Exons	2988..3242, 2991..3242, 3043..3282, 3350..3508, 3351..3509, 3352..3531, 3353..3508, 3894..4253, 3943..4233, 4240..4395, 4242..4427, 4985..5065, 4985..5062, 5058..5093		
Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98690	Strand	-
Start	2969	End	5093
Name	OJ000126_03.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	3053	End	3442
GI	none	Score	147
Exons	3053..3241, 3054..3245, 3054..3293, 3055..3294, 3350..3442, 3352..3441		
Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98691	Strand	
Start	6547	End	7698
Name	OJ000126_03.0310.C28.o2.tm	Method	TBLASTX:Maize

Start	6547	End	7682
GI	none	Score	112
Exons	6547..6672, 6549..6671, 6553..6696, 6757..6783, 6759..6785, 6775..6969, 6785..6970, 6785..6976, 7211..7261, 7218..7262, 7219..7263, 7263..7349, 7264..7353, 7265..7354, 7515..7550, 7548..7571, 7626..7652, 7656..7682		

Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98691	Strand	
Start	6547	End	7698
Name	OJ000126_03.0310.C28.o2.ts	Method	TBLASTX:Soybean
Start	6768	End	7691
GI	none	Score	132
Exons	6768..6953, 6776..6976, 6786..6968, 7211..7261, 7216..7260, 7218..7265, 7263..7346, 7266..7346, 7267..7353, 7268..7354, 7515..7679, 7515..7691		

Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98691	Strand	
Start	6547	End	7698
Name	OJ000126_03.0310.C28.o2.tw	Method	TBLASTX:Wheat
Start	7267	End	7691
GI	none	Score	186
Exons	7267..7347, 7515..7691		

Seq. No.	46503	Seq. ID	OJ000126_03.0310.C28
Gene No.	98691	Strand	
Start	6547	End	7698
Name	OJ000126_03.0310.C28.o2.tc	Method	TBLASTX:Cress
Start	7294	End	7698
GI	none	Score	58
Exons	7294..7353, 7295..7348, 7515..7691, 7515..7691, 7516..7698		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98692	Strand	+
Start	205	End	1492
Name	OJ000126_03.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	142	End	515
GI	none	Score	83
Exons	142..240, 142..243, 143..244, 143..244, 348..515, 348..503, 353..514		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98692	Strand	+
Start	205	End	1492
Name	OJ000126_03.0310.C29.o1.gp	Method	AAT/GAP
Start	205	End	1492
GI	38270_1.R1084	Score	997
Exons	205..244, 351..656, 1317..1492		
GI Descrip.	'3559805/emb|CAA07251| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]'		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98692	Strand	+
Start	205	End	1492
Name	OJ000126_03.0310.C29.o3.tm	Method	TBLASTX:Maize
Start	348	End	595

GI	none	Score	337
Exons	348..584, 353..580, 359..595, 427..594		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98693	Strand	
Start	8267	End	8878
Name	OJ000126_03.0310.C29.o5.tm	Method	TBLASTX:Maize
Start	8267	End	8407
GI	none	Score	116
Exons	8267..8407, 8268..8402		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98693	Strand	
Start	8267	End	8878
Name	OJ000126_03.0310.C29.o4.tw	Method	TBLASTX:Wheat
Start	8276	End	8878
GI	none	Score	81
Exons	8276..8401, 8280..8402, 8568..8738, 8594..8878, 8595..8738, 8775..8873, 8815..8874		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98694	Strand	
Start	8879	End	9368
Name	OJ000126_03.0310.C29.o2.tw	Method	TBLASTX:Wheat
Start	8879	End	9260
GI	none	Score	169
Exons	8879..9259, 8910..9158, 8918..9163, 9204..9260		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98694	Strand	
Start	8879	End	9368
Name	OJ000126_03.0310.C29.o2.tm	Method	TBLASTX:Maize
Start	9035	End	9368
GI	none	Score	204
Exons	9035..9082, 9074..9367, 9087..9368		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98695	Strand	
Start	9589	End	10338
Name	OJ000126_03.0310.C29.o7.tw	Method	TBLASTX:Wheat
Start	9589	End	9901
GI	none	Score	77
Exons	9589..9849, 9590..9901		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98695	Strand	
Start	9589	End	10338
Name	OJ000126_03.0310.C29.o3.ts	Method	TBLASTX:Soybean
Start	9649	End	10215
GI	5666795	Score	68
Exons	9649..9849, 9904..10041, 10117..10215		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98695	Strand	
Start	9589	End	10338
Name	OJ000126_03.0310.C29.o3.tw	Method	TBLASTX:Wheat

Start	9904	End	10338
GI	none	Score	88
Exons	9904..10053, 9905..10042, 10087..10338, 10097..10273, 10114..10338		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98696	Strand	
Start	10339	End	11772
Name	OJ000126_03.0310.C29.o5.tw	Method	TBLASTX:Wheat
Start	10339	End	11162
GI	none	Score	86
Exons	10339..10407, 10909..11121, 11097..11162		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98696	Strand	
Start	10339	End	11772
Name	OJ000126_03.0310.C29.o2.ts	Method	TBLASTX:Soybean
Start	10963	End	11363
GI	none	Score	87
Exons	10963..11091, 11091..11363, 11173..11316		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98696	Strand	
Start	10339	End	11772
Name	OJ000126_03.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	11086	End	11469
GI	none	Score	235
Exons	11086..11469, 11091..11468		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98696	Strand	
Start	10339	End	11772
Name	OJ000126_03.0310.C29.o1.tw	Method	TBLASTX:Wheat
Start	11208	End	11627
GI	none	Score	229
Exons	11208..11627, 11221..11625		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98696	Strand	
Start	10339	End	11772
Name	OJ000126_03.0310.C29.o4.tm	Method	TBLASTX:Maize
Start	11496	End	11772
GI	none	Score	115
Exons	11496..11756, 11496..11759, 11506..11772		

Seq. No.	46504	Seq. ID	OJ000126_03.0310.C29
Gene No.	98696	Strand	
Start	10339	End	11772
Name	OJ000126_03.0310.C29.o6.tw	Method	TBLASTX:Wheat
Start	11628	End	11757
GI	none	Score	82
Exons	11628..11756, 11628..11756, 11629..11757		

Seq. No.	46505	Seq. ID	OJ000126_03.0310.C31
Gene No.	98697	Strand	
Start	6	End	1267
Name	OJ000126_03.0310.C31.o1.tc	Method	TBLASTX:Cress

Start	6	End	1109
GI	none	Score	132
Exons	6..269, 6..194, 9..398, 41..334, 84..311, 117..485, 183..590, 294..521, 324..710, 405..614, 426..512, 441..797, 492..731, 531..596, 546..896, 546..614, 609..806, 626..823, 641..730, 651..998, 678..941, 692..943, 774..1106, 819..1034, 879..1109		

Seq. No.	46505	Seq. ID	OJ000126_03.0310.C31
Gene No.	98697	Strand	
Start	6	End	1267
Name	OJ000126_03.0310.C31.o1.ts	Method	TBLASTX:Soybean
Start	6	End	1241
GI	none	Score	364
Exons	6..788, 21..797, 114..323, 222..590, 294..485, 353..532, 357..1106, 360..533, 366..1001, 377..691, 407..562, 440..568, 465..638, 546..1154, 548..682, 636..1070, 639..1070, 774..1241, 780..941, 876..1169, 879..998, 879..1142, 903..1079		

Seq. No.	46505	Seq. ID	OJ000126_03.0310.C31
Gene No.	98697	Strand	
Start	6	End	1267
Name	OJ000126_03.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	12	End	1267
GI	none	Score	90
Exons	12..236, 80..196, 294..452, 393..686, 498..791, 819..1019, 909..1223, 911..997, 918..1220, 1067..1222, 1247..1267		

Seq. No.	46506	Seq. ID	OJ000216_04.0306.C2
Gene No.	98698	Strand	+
Start	116	End	231
Name	OJ000216_04.0306.C2.o1.gs	Method	GENSCAN
Start	116	End	231
GI	none	Score	.77
Exons	116..231		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98699	Strand	+
Start	375	End	14362
Name	OJ000216_04.0306.C3.o1.gp	Method	AAT/GAP
Start	305	End	1014
GI	none	Score	823
Exons	305..579, 822..1014		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98699	Strand	+
Start	375	End	14362
Name	OJ000216_04.0306.C3.o1.gs	Method	GENSCAN
Start	375	End	13889
GI	none	Score	.43
Exons	375..579, 3483..3855, 4234..4334, 4422..4547, 5912..6018, 6736..6851, 7223..7428, 8067..9094, 9981..10134, 10572..10721, 10952..11227, 11266..11575, 12602..13028, 13071..13136, 13407..13889		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98699	Strand	+
Start	375	End	14362

Name	OJ000216_04.0306.C3.o2.gp	Method	AAT/GAP
Start	496	End	1193
GI	none	Score	799
Exons	496..579, 822..1193		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98699	Strand	+
Start	375	End	14362
Name	OJ000216_04.0306.C3.o1.np	Method	AAT/NAP
Start	8120	End	14362
GI	6705984	Score	2074
Exons	8120..8349, 8379..9024, 12653..14362		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98700	Strand	-
Start	9735	End	10114
Name	OJ000216_04.0306.C3.o4.tw	Method	TBLASTX:Wheat
Start	330	End	972
GI	none	Score	46
Exons	330..428, 338..364, 390..578, 393..470, 445..579, 449..577, 821..862, 825..863, 839..967, 839..964, 852..965, 853..972		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98700	Strand	-
Start	9735	End	10114
Name	OJ000216_04.0306.C3.o3.tm	Method	TBLASTX:Maize
Start	6065	End	6585
GI	none	Score	215
Exons	6065..6385, 6074..6463, 6381..6434, 6382..6486, 6424..6585, 6488..6571		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98700	Strand	-
Start	9735	End	10114
Name	OJ000216_04.0306.C3.o5.tm	Method	TBLASTX:Maize
Start	8442	End	8644
GI	none	Score	76
Exons	8442..8582, 8461..8643, 8462..8644		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98700	Strand	-
Start	9735	End	10114
Name	OJ000216_04.0306.C3.o2.tw	Method	TBLASTX:Wheat
Start	8479	End	9004
GI	none	Score	114
Exons	8479..8643, 8480..8647, 8498..8644, 8669..9004, 8675..8911, 8698..8976		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98700	Strand	-
Start	9735	End	10114
Name	OJ000216_04.0306.C3.o2.ts	Method	TBLASTX:Soybean
Start	8510	End	8899
GI	none	Score	105
Exons	8510..8686, 8678..8899		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98700	Strand	-
Start	9735	End	10114
Name	OJ000216_04.0306.C3.o3.gp	Method	AAT/GAP
Start	9735	End	10114
GI	uC-osf1cyp033a04b1	Score	633
Exons	9735..10114		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98701	Strand	
Start	12990	End	13481
Name	OJ000216_04.0306.C3.o1.tw	Method	TBLASTX:Wheat
Start	12990	End	13481
GI	none	Score	259
Exons	12990..13271, 13002..13259, 13274..13441, 13275..13481		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98701	Strand	
Start	12990	End	13481
Name	OJ000216_04.0306.C3.o1.ts	Method	TBLASTX:Soybean
Start	13230	End	13466
GI	none	Score	268
Exons	13230..13466, 13236..13409		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98701	Strand	
Start	12990	End	13481
Name	OJ000216_04.0306.C3.o2.tm	Method	TBLASTX:Maize
Start	13230	End	13466
GI	none	Score	276
Exons	13230..13466, 13232..13465		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98702	Strand	
Start	13635	End	13835
Name	OJ000216_04.0306.C3.o4.tm	Method	TBLASTX:Maize
Start	13635	End	13835
GI	none	Score	55
Exons	13635..13688, 13691..13828, 13692..13835		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98703	Strand	
Start	13791	End	14327
Name	OJ000216_04.0306.C3.o3.tw	Method	TBLASTX:Wheat
Start	13791	End	14273
GI	none	Score	352
Exons	13791..14273, 13895..14269		

Seq. No.	46507	Seq. ID	OJ000216_04.0306.C3
Gene No.	98703	Strand	
Start	13791	End	14327
Name	OJ000216_04.0306.C3.o1.tm	Method	TBLASTX:Maize
Start	13859	End	14327
GI	none	Score	395
Exons	13859..14296, 13860..14327		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98704	Strand	+
Start	1	End	4659
Name	OJ000216_04.0306.C4.o1.np	Method	AAT/NAP
Start	1	End	4659
GI	6705984	Score	2468
Exons	1..724, 3651..4659		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98704	Strand	+
Start	1	End	4659
Name	OJ000216_04.0306.C4.o1.gp	Method	AAT/GAP
Start	1515	End	2163
GI	101153_1.R1084	Score	494
Exons	1515..1845, 2137..2163		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98704	Strand	+
Start	1	End	4659
Name	OJ000216_04.0306.C4.o2.gp	Method	AAT/GAP
Start	2768	End	3649
GI	4107138	Score	1216
Exons	2768..3649		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98704	Strand	+
Start	1	End	4659
Name	OJ000216_04.0306.C4.o3.gp	Method	AAT/GAP
Start	3371	End	3644
GI	61605_1.R1084	Score	465
Exons	3371..3644		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98705	Strand	-
Start	6463	End	6857
Name	OJ000216_04.0306.C4.o4.gp	Method	AAT/GAP
Start	6463	End	6857
GI	568184	Score	547
Exons	6463..6639, 6712..6857		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o1.ts	Method	TBLASTX:Soybean
Start	27	End	286
GI	none	Score	335
Exons	27..284, 50..286		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4

Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o3.tm	Method	TBLASTX:Maize
Start	90	End	446
GI	none	Score	277
Exons	90..446, 92..169, 203..433		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o1.tw	Method	TBLASTX:Wheat
Start	206	End	633
GI	none	Score	626
Exons	206..631, 207..632, 217..633, 219..632		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o2.ts	Method	TBLASTX:Soybean
Start	291	End	490
GI	none	Score	153
Exons	291..395, 305..403, 399..485, 401..490		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o5.tm	Method	TBLASTX:Maize
Start	555	End	734
GI	none	Score	189
Exons	555..734, 564..725, 569..733		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o1.tc	Method	TBLASTX:Cress
Start	588	End	3873
GI	none	Score	129
Exons	588..734, 620..709, 3646..3873, 3646..3870, 3648..3872		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o1.tm	Method	TBLASTX:Maize
Start	3643	End	3936
GI	none	Score	189
Exons	3643..3936, 3644..3919, 3649..3936		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o3.tw	Method	TBLASTX:Wheat
Start	3685	End	4041
GI	none	Score	326
Exons	3685..3963, 3685..3957, 3687..3959, 3866..3967, 3963..4034, 3967..4041		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4

Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o6.tm	Method	TBLASTX:Maize
Start	3973	End	4233
GI	none	Score	185
Exons	3973..4233		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o2.tw	Method	TBLASTX:Wheat
Start	4072	End	4473
GI	none	Score	469
Exons	4072..4470, 4072..4473		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o4.tm	Method	TBLASTX:Maize
Start	4239	End	4464
GI	none	Score	239
Exons	4239..4463, 4240..4464		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o2.tm	Method	TBLASTX:Maize
Start	4465	End	4995
GI	none	Score	299
Exons	4465..4701, 4467..4634, 4711..4791, 4716..4772, 4882..4995, 4935..4994		

Seq. No.	46508	Seq. ID	OJ000216_04.0306.C4
Gene No.	98706	Strand	-
Start	8638	End	8704
Name	OJ000216_04.0306.C4.o2.gs	Method	GENSCAN
Start	8638	End	8704
GI	none	Score	.68
Exons	8638..8704		

Seq. No.	46509	Seq. ID	OJ000216_04.0306.C5
Gene No.	98707	Strand	+
Start	1	End	2714
Name	OJ000216_04.0306.C5.o1.np	Method	AAT/NAP
Start	1	End	2714
GI	7332197	Score	51
Exons	1..301, 2696..2714		
GI Descrip.	(AC024875) contains similarity to TR:P90726 [Caenorhabditis elegans]		

Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98708	Strand	+
Start	285	End	340
Name	OJ000216_04.0306.C6.o1.gs	Method	GENSCAN
Start	285	End	340
GI	none	Score	.67
Exons	285..340		

Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98709	Strand	+
Start	5109	End	7057
Name	OJ000216_04.0306.C6.o2.np	Method	AAT/NAP
Start	5109	End	7057
GI	4680186	Score	240
Exons	5109..5138, 6824..7057		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98710	Strand	-
Start	1	End	126
Name	OJ000216_04.0306.C6.o1.gp	Method	AAT/GAP
Start	1	End	126
GI	LIB3477-003-P1-K1-E9	Score	149
Exons	1..126		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98711	Strand	-
Start	1771	End	3189
Name	OJ000216_04.0306.C6.o1.np	Method	AAT/NAP
Start	1771	End	3189
GI	6742729	Score	1713
Exons	1771..3189		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98712	Strand	-
Start	6605	End	6986
Name	OJ000216_04.0306.C6.o2.gp	Method	AAT/GAP
Start	6605	End	6986
GI	uC-osflcyp033a04b1	Score	639
Exons	6605..6986		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o1.tw	Method	TBLASTX:Wheat
Start	1302	End	2605
GI	none	Score	51
Exons	1302..1379, 1304..1375, 1368..1448, 1396..1449, 1453..1551, 1454..1570, 1455..1571, 1462..1602, 1473..1601, 1531..1644, 1581..1640, 1647..1691, 1648..1692, 1655..1711, 1686..2543, 1702..2022, 1719..2462, 2080..2535, 2539..2604, 2543..2605		

Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o1.tc	Method	TBLASTX:Cress
Start	1868	End	2316
GI	none	Score	172

Exons	1868..2119, 1869..2312, 1869..2312, 1909..2316, 2071..2316		
Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o1.tm	Method	TBLASTX:Maize
Start	2244	End	2562
GI	none	Score	122
Exons	2244..2543, 2275..2562		
Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o1.ts	Method	TBLASTX:Soybean
Start	2793	End	3035
GI	none	Score	201
Exons	2793..3035		
Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o2.tm	Method	TBLASTX:Maize
Start	2865	End	3188
GI	none	Score	114
Exons	2865..3059, 3069..3188		
Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o2.tw	Method	TBLASTX:Wheat
Start	2904	End	3191
GI	none	Score	85
Exons	2904..3107, 2944..3105, 3108..3191, 3108..3188		
Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o5.np	Method	AAT/NAP
Start	7121	End	10623
GI	5852175	Score	63
Exons	7121..7151, 10517..10623		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623
Name	OJ000216_04.0306.C6.o3.np	Method	AAT/NAP
Start	7433	End	9023
GI	6907087	Score	772
Exons	7433..7534, 8075..9023		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46510	Seq. ID	OJ000216_04.0306.C6
Gene No.	98713	Strand	-
Start	7121	End	10623

Name	OJ000216_04.0306.C6.o4.np	Method	AAT/NAP
Start	9153	End	9449
GI	4680204	Score	59
Exons	9153..9449		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	46511	Seq. ID	OJ000216_04.0306.C7
Gene No.	98714	Strand	+
Start	109	End	224
Name	OJ000216_04.0306.C7.o1.gs	Method	GENSCAN
Start	109	End	224
GI	none	Score	.65
Exons	109..224		

Seq. No.	46511	Seq. ID	OJ000216_04.0306.C7
Gene No.	98715	Strand	-
Start	706	End	1652
Name	OJ000216_04.0306.C7.o2.gs	Method	GENSCAN
Start	706	End	1561
GI	none	Score	.63
Exons	706..726, 1072..1173, 1259..1561		

Seq. No.	46511	Seq. ID	OJ000216_04.0306.C7
Gene No.	98715	Strand	-
Start	706	End	1652
Name	OJ000216_04.0306.C7.o1.np	Method	AAT/NAP
Start	910	End	1652
GI	6983860	Score	1110
Exons	910..1652		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	46511	Seq. ID	OJ000216_04.0306.C7
Gene No.	98715	Strand	-
Start	706	End	1652
Name	OJ000216_04.0306.C7.o2.tw	Method	TBLASTX:Wheat
Start	955	End	1289
GI	none	Score	40
Exons	955..1191, 1157..1192, 1157..1288, 1218..1289		

Seq. No.	46511	Seq. ID	OJ000216_04.0306.C7
Gene No.	98715	Strand	-
Start	706	End	1652
Name	OJ000216_04.0306.C7.o2.tm	Method	TBLASTX:Maize
Start	967	End	1195
GI	none	Score	63
Exons	967..1191, 1055..1195		

Seq. No.	46511	Seq. ID	OJ000216_04.0306.C7
Gene No.	98715	Strand	-
Start	706	End	1652
Name	OJ000216_04.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	1208	End	1648
GI	none	Score	155
Exons	1208..1648, 1217..1633		

Seq. No.	46511	Seq. ID	OJ000216_04.0306.C7

Gene No.	98715	Strand	-
Start	706	End	1652
Name	OJ000216_04.0306.C7.o1.tw	Method	TBLASTX:Wheat
Start	1289	End	1652
GI	none	Score	159
Exons	1289..1651, 1331..1624, 1410..1652		

Seq. No.	46512	Seq. ID	OJ000216_04.0306.C8
Gene No.	98716	Strand	-
Start	186	End	917
Name	OJ000216_04.0306.C8.o1.gs	Method	GENSCAN
Start	186	End	901
GI	none	Score	.51
Exons	186..901		

Seq. No.	46512	Seq. ID	OJ000216_04.0306.C8
Gene No.	98716	Strand	-
Start	186	End	917
Name	OJ000216_04.0306.C8.o1.np	Method	AAT/NAP
Start	331	End	917
GI	5091513	Score	865
Exons	331..917		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98717	Strand	+
Start	15469	End	20851
Name	OJ000216_04.0306.C9.o5.gs	Method	GENSCAN
Start	15469	End	19484
GI	none	Score	.56
Exons	15469..15626, 15628..16087, 16144..16220, 16950..17046, 17254..17326, 17493..17617, 17685..17870, 17941..17999, 18068..18768, 18952..19054, 19334..19484		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98717	Strand	+
Start	15469	End	20851
Name	OJ000216_04.0306.C9.o7.np	Method	AAT/NAP
Start	16134	End	20851
GI	6907089	Score	273
Exons	16134..16309, 16826..17413, 20810..20851		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98717	Strand	+
Start	15469	End	20851
Name	OJ000216_04.0306.C9.o8.np	Method	AAT/NAP
Start	16797	End	18268
GI	6721558	Score	139
Exons	16797..16874, 17473..17623, 18068..18268		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98717	Strand	+
Start	15469	End	20851

Name	OJ000216_04.0306.C9.o9.np	Method	AAT/NAP
Start	17217	End	18830
GI	6721561	Score	1057
Exons	17217..17252, 17651..17870, 17941..17999, 18068..18830		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98718	Strand	+
Start	26404	End	26578
Name	OJ000216_04.0306.C9.o2.gp	Method	AAT/GAP
Start	26404	End	26578
GI	none	Score	310
Exons	26404..26578		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98719	Strand	-
Start	1093	End	12097
Name	OJ000216_04.0306.C9.o1.gs	Method	GENSCAN
Start	1093	End	6042
GI	none	Score	.62
Exons	1093..1307, 1482..1583, 1865..2117, 2142..2751, 3388..3755, 4509..4568, 4725..5066, 5148..5173, 5751..6042		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98719	Strand	-
Start	1093	End	12097
Name	OJ000216_04.0306.C9.o1.np	Method	AAT/NAP
Start	1714	End	3674
GI	7106512	Score	1519
Exons	1714..2090, 2168..2704, 3470..3674		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98719	Strand	-
Start	1093	End	12097
Name	OJ000216_04.0306.C9.o1.gp	Method	AAT/GAP
Start	4144	End	4393
GI	3761181	Score	438
Exons	4144..4393		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98719	Strand	-
Start	1093	End	12097
Name	OJ000216_04.0306.C9.o3.np	Method	AAT/NAP
Start	5473	End	12097
GI	6983860	Score	1637
Exons	5473..5493, 11004..12097		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98719	Strand	-
Start	1093	End	12097
Name	OJ000216_04.0306.C9.o2.gs	Method	GENSCAN
Start	6492	End	9691
GI	none	Score	.73
Exons	6492..7529, 9683..9691		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98719	Strand	-
Start	1093	End	12097
Name	OJ000216_04.0306.C9.o2.np	Method	AAT/NAP
Start	6689	End	8784
GI	7523517	Score	260
Exons	6689..6853, 8295..8340, 8491..8784		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98719	Strand	-
Start	1093	End	12097
Name	OJ000216_04.0306.C9.o3.gs	Method	GENSCAN
Start	10422	End	12097
GI	none	Score	.71
Exons	10422..10519, 10884..10958, 11020..11139, 11353..12097		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98720	Strand	-
Start	12381	End	14373
Name	OJ000216_04.0306.C9.o4.np	Method	AAT/NAP
Start	12379	End	13175
GI	4512231	Score	1131
Exons	12379..13175		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98720	Strand	-
Start	12381	End	14373
Name	OJ000216_04.0306.C9.o4.gs	Method	GENSCAN
Start	12381	End	14373
GI	none	Score	.92
Exons	12381..13175, 14341..14373		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98721	Strand	-
Start	14308	End	15932
Name	OJ000216_04.0306.C9.o5.np	Method	AAT/NAP
Start	14308	End	15855
GI	6063554	Score	169
Exons	14308..14482, 15522..15570, 15655..15751, 15785..15855		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98721	Strand	-
Start	14308	End	15932
Name	OJ000216_04.0306.C9.o6.np	Method	AAT/NAP

Start	15036	End	15932
GI	5852178	Score	377
Exons	15036..15137, 15495..15593, 15625..15932		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o3.tm	Method	TBLASTX:Maize
Start	5531	End	6066
GI	none	Score	57
Exons	5531..5626, 5531..5578, 5532..5627, 5544..5627, 5602..5733, 5657..5731, 5666..6055, 5680..5733, 5729..5935, 5736..5987, 5737..6066		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o5.tw	Method	TBLASTX:Wheat
Start	11339	End	11683
GI	none	Score	62
Exons	11339..11683, 11489..11656		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o5.tm	Method	TBLASTX:Maize
Start	11345	End	11683
GI	none	Score	95
Exons	11345..11683, 11474..11656		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o8.tw	Method	TBLASTX:Wheat
Start	11735	End	11933
GI	none	Score	68
Exons	11735..11908, 11735..11917, 11736..11933		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o6.gs	Method	GENSCAN
Start	19865	End	26574
GI	none	Score	.67
Exons	19865..20172, 20305..20566, 20638..21116, 21316..22120, 22388..22559, 22612..22719, 22789..22922, 22929..23115, 23181..23410, 23498..23820, 25206..25300, 25453..25526, 26311..26370, 26536..26574		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o10.np	Method	AAT/NAP
Start	20291	End	23401
GI	5902445	Score	2964
Exons	20291..21529, 21569..23401		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o4.tw	Method	TBLASTX:Wheat
Start	20300	End	20889
GI	none	Score	62
Exons	20300..20431, 20301..20426, 20456..20698, 20737..20889		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o6.tm	Method	TBLASTX:Maize
Start	20336	End	20602
GI	none	Score	146
Exons	20336..20419, 20420..20602		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o4.tm	Method	TBLASTX:Maize
Start	20878	End	21259
GI	none	Score	43
Exons	20878..20991, 20909..20980, 20989..21252, 20990..21259		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o3.tw	Method	TBLASTX:Wheat
Start	20923	End	21261
GI	none	Score	185
Exons	20923..21261, 20933..21175		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o10.tw	Method	TBLASTX:Wheat
Start	21551	End	21872
GI	none	Score	86
Exons	21551..21871, 21618..21872		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o6.tw	Method	TBLASTX:Wheat
Start	21911	End	22319
GI	none	Score	42
Exons	21911..22084, 21914..21982, 21963..22055, 22092..22319, 22094..22318		

Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o9.tw	Method	TBLASTX:Wheat
Start	22388	End	22679
GI	none	Score	101

Exons	22388..22561, 22551..22679		
Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o1.ts	Method	TBLASTX:Soybean
Start	22409	End	22832
GI	none	Score	92
Exons	22409..22561, 22557..22832, 22648..22788		
Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o1.tm	Method	TBLASTX:Maize
Start	22560	End	22943
GI	none	Score	126
Exons	22560..22943, 22561..22788		
Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o1.tw	Method	TBLASTX:Wheat
Start	22683	End	23102
GI	none	Score	103
Exons	22683..23102, 22684..22791, 22716..22841, 22942..23028, 22962..23087		
Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o2.tm	Method	TBLASTX:Maize
Start	22971	End	23326
GI	none	Score	82
Exons	22971..23147, 22981..23148, 23111..23326, 23115..23264		
Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o2.tw	Method	TBLASTX:Wheat
Start	23127	End	23495
GI	none	Score	244
Exons	23127..23495, 23132..23491		
Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o11.np	Method	AAT/NAP
Start	23468	End	23879
GI	5902444	Score	271
Exons	23468..23879		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	46513	Seq. ID	OJ000216_04.0306.C9
Gene No.	98722	Strand	-
Start	19865	End	26574
Name	OJ000216_04.0306.C9.o7.tw	Method	TBLASTX:Wheat
Start	23648	End	23891

GI	none	Score	38
Exons	23648..23890, 23658..23723, 23766..23891		

Seq. No.	46514	Seq. ID	OJ000216_04.0306.C10
Gene No.	98723	Strand	-
Start	1198	End	1277
Name	OJ000216_04.0306.C10.o1.gs	Method	GENSCAN
Start	1198	End	1277
GI	none	Score	.92
Exons	1198..1277		

Seq. No.	46515	Seq. ID	OJ000216_04.0306.C11
Gene No.	98724	Strand	+
Start	1	End	703
Name	OJ000216_04.0306.C11.o1.np	Method	AAT/NAP
Start	1	End	703
GI	7106512	Score	905
Exons	1..703		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46515	Seq. ID	OJ000216_04.0306.C11
Gene No.	98724	Strand	+
Start	1	End	703
Name	OJ000216_04.0306.C11.o1.gs	Method	GENSCAN
Start	158	End	607
GI	none	Score	.96
Exons	158..607		

Seq. No.	46516	Seq. ID	OJ000216_04.0306.C12
Gene No.	98725	Strand	-
Start	1	End	1070
Name	OJ000216_04.0306.C12.o1.np	Method	AAT/NAP
Start	1	End	1070
GI	5091513	Score	1412
Exons	1..1070		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46516	Seq. ID	OJ000216_04.0306.C12
Gene No.	98725	Strand	-
Start	1	End	1070
Name	OJ000216_04.0306.C12.o1.gs	Method	GENSCAN
Start	91	End	1058
GI	none	Score	.53
Exons	91..734, 746..890, 909..1058		

Seq. No.	46517	Seq. ID	OJ000216_04.0306.C14
Gene No.	98726	Strand	+
Start	83	End	216
Name	OJ000216_04.0306.C14.o1.gs	Method	GENSCAN
Start	83	End	216
GI	none	Score	.87
Exons	83..216		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98727	Strand	+
Start	6185	End	6580

Name	OJ000216_04.0306.C16.o2.gs	Method	GENSCAN
Start	6185	End	6580
GI	none	Score	.68
Exons	6185..6580		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98728	Strand	-
Start	1	End	5220
Name	OJ000216_04.0306.C16.o1.np	Method	AAT/NAP
Start	1	End	2935
GI	4680179	Score	3102
Exons	1..1865, 1893..2935		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98728	Strand	-
Start	1	End	5220
Name	OJ000216_04.0306.C16.o1.gs	Method	GENSCAN
Start	119	End	5220
GI	none	Score	.47
Exons	119..385, 414..942, 987..1579, 1808..2126, 2586..2885, 3315..3931, 5139..5220		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98728	Strand	-
Start	1	End	5220
Name	OJ000216_04.0306.C16.o2.np	Method	AAT/NAP
Start	3174	End	3935
GI	4512229	Score	1092
Exons	3174..3935		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o1.tw	Method	TBLASTX:Wheat
Start	123	End	520
GI	none	Score	149
Exons	123..368, 126..374, 127..375, 373..519, 374..520		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o1.tm	Method	TBLASTX:Maize
Start	168	End	609
GI	none	Score	40
Exons	168..209, 168..209, 201..374, 201..374, 229..378, 232..420, 373..609, 374..556		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o1.ts	Method	TBLASTX:Soybean
Start	505	End	900
GI	none	Score	184
Exons	505..864, 515..748, 627..863, 784..864, 868..900, 868..900		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o3.tw	Method	TBLASTX:Wheat
Start	523	End	753
GI	none	Score	240
Exons	523..753, 524..748		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o2.tm	Method	TBLASTX:Maize
Start	817	End	1257
GI	none	Score	72
Exons	817..990, 1002..1253, 1015..1257		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o2.tw	Method	TBLASTX:Wheat
Start	841	End	1326
GI	none	Score	80
Exons	841..984, 884..985, 923..988, 967..1326, 967..1212, 987..1325		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o5.tw	Method	TBLASTX:Wheat
Start	1461	End	1860
GI	none	Score	58
Exons	1461..1628, 1486..1581, 1632..1859, 1696..1860		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o4.tw	Method	TBLASTX:Wheat
Start	2136	End	2477
GI	none	Score	106
Exons	2136..2477, 2184..2450		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o3.tm	Method	TBLASTX:Maize
Start	2163	End	2477
GI	none	Score	213
Exons	2163..2477		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o3.np	Method	AAT/NAP
Start	5160	End	15020
GI	6063554	Score	248
Exons	5160..5329, 6249..6507, 6625..6810, 14784..15020		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o3.gs	Method	GENSCAN
Start	6772	End	8979
GI	none	Score	.67
Exons	6772..6971, 8140..8203, 8405..8448, 8877..8979		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o4.gs	Method	GENSCAN
Start	11430	End	14679
GI	none	Score	.82
Exons	11430..11467, 13979..14073, 14526..14679		

Seq. No.	46518	Seq. ID	OJ000216_04.0306.C16
Gene No.	98729	Strand	-
Start	5160	End	15020
Name	OJ000216_04.0306.C16.o4.np	Method	AAT/NAP
Start	14372	End	15020
GI	5295955	Score	263
Exons	14372..15020		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	46519	Seq. ID	OJ000216_06.0309.C1
Gene No.	98730	Strand	-
Start	1	End	1294
Name	OJ000216_06.0309.C1.o1.gp	Method	AAT/GAP
Start	1	End	1221
GI	20764_1.R1084	Score	398
Exons	1..65, 715..795, 1141..1221		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 7.0e-40 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	46519	Seq. ID	OJ000216_06.0309.C1
Gene No.	98730	Strand	-
Start	1	End	1294
Name	OJ000216_06.0309.C1.o1.np	Method	AAT/NAP
Start	1	End	1294
GI	6598578	Score	224
Exons	1..145, 715..795, 1141..1294		
GI Descrip.	(AC006228) F5J5.4 [Arabidopsis thaliana]		

Seq. No.	46519	Seq. ID	OJ000216_06.0309.C1
Gene No.	98730	Strand	-
Start	1	End	1294
Name	OJ000216_06.0309.C1.o1.gs	Method	GENSCAN
Start	690	End	795
GI	none	Score	.79
Exons	690..795		

Seq. No.	46520	Seq. ID	OJ000216_06.0309.C2
Gene No.	98731	Strand	+
Start	3885	End	5044
Name	OJ000216_06.0309.C2.o2.gs	Method	GENSCAN
Start	3885	End	5044
GI	none	Score	.95
Exons	3885..3889, 3895..4011, 4163..4368, 4596..4900, 4924..5044		

Seq. No.	46520	Seq. ID	OJ000216_06.0309.C2
Gene No.	98732	Strand	-
Start	631	End	3020
Name	OJ000216_06.0309.C2.o1.gs	Method	GENSCAN
Start	631	End	3020
GI	none	Score	.73
Exons	631..703, 793..873, 1433..1530, 2146..2716, 2974..3020		

Seq. No.	46520	Seq. ID	OJ000216_06.0309.C2
Gene No.	98733	Strand	
Start	4872	End	5126
Name	OJ000216_06.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	4872	End	5126
GI	none	Score	75
Exons	4872..4922, 4873..4923, 4874..4921, 4922..4963, 4923..4961, 4923..4970, 4969..5052, 4969..5055, 5055..5126, 5073..5126		

Seq. No.	46521	Seq. ID	OJ000216_06.0309.C3
Gene No.	98734	Strand	-
Start	55	End	449
Name	OJ000216_06.0309.C3.o1.gs	Method	GENSCAN
Start	55	End	449
GI	none	Score	.52
Exons	55..144, 243..449		

Seq. No.	46521	Seq. ID	OJ000216_06.0309.C3
Gene No.	98734	Strand	-
Start	55	End	449
Name	OJ000216_06.0309.C3.o1.np	Method	AAT/NAP
Start	305	End	406
GI	5777617	Score	69
Exons	305..406		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98735	Strand	+
Start	470	End	1834
Name	OJ000216_06.0309.C4.o1.np	Method	AAT/NAP
Start	470	End	1410
GI	347855	Score	209
Exons	470..638, 1136..1410		
GI Descrip.	(L21753) glucose transporter [Saccharum hybrid cultivar H65-7052]		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98735	Strand	+
Start	470	End	1834
Name	OJ000216_06.0309.C4.o2.np	Method	AAT/NAP
Start	470	End	1410

GI	3108161	Score	206
Exons	470..638, 1136..1410		
GI Descrip.	(AF061106) putative monosaccharide transporter 1 [Petunia x hybrida]		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98735	Strand	+
Start	470	End	1834
Name	OJ000216_06.0309.C4.o1.gs	Method	GENSCAN
Start	490	End	1834
GI	none	Score	.49
Exons	490..605, 1094..1524, 1545..1628, 1659..1834		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98736	Strand	+
Start	10074	End	12473
Name	OJ000216_06.0309.C4.o3.gs	Method	GENSCAN
Start	10074	End	12473
GI	none	Score	.55
Exons	10074..10266, 10858..10977, 11598..11733, 12204..12277, 12448..12473		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98737	Strand	-
Start	2855	End	8758
Name	OJ000216_06.0309.C4.o2.gs	Method	GENSCAN
Start	2855	End	8646
GI	none	Score	.45
Exons	2855..3707, 3920..4010, 4532..4877, 6335..6468, 7778..8328, 8546..8646		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98737	Strand	-
Start	2855	End	8758
Name	OJ000216_06.0309.C4.o1.gp	Method	AAT/GAP
Start	3901	End	4414
GI	none	Score	988
Exons	3901..4414		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98737	Strand	-
Start	2855	End	8758
Name	OJ000216_06.0309.C4.o3.np	Method	AAT/NAP
Start	4509	End	8736
GI	5257262	Score	245
Exons	4509..4877, 6322..6573, 7778..7974, 8666..8736		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98737	Strand	-
Start	2855	End	8758
Name	OJ000216_06.0309.C4.o2.gp	Method	AAT/GAP
Start	8179	End	8758
GI	426495	Score	668
Exons	8179..8328, 8546..8758		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4

Gene No.	98738	Strand	-
Start	12871	End	17312
Name	OJ000216_06.0309.C4.o3.gp	Method	AAT/GAP
Start	12871	End	14126
GI	84691_1.R1084	Score	1196
Exons	12871..13423, 14039..14126		
GI Descrip.	'4490737/emb|CAB38899.1| 6.0e-37 (AL035708) putative protein [Arabidopsis thaliana]'		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98738	Strand	-
Start	12871	End	17312
Name	OJ000216_06.0309.C4.o4.gs	Method	GENSCAN
Start	13151	End	17312
GI	none	Score	.58
Exons	13151..13423, 14039..14350, 14737..14866, 15958..16031, 16169..16365, 16520..16826, 17265..17312		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98738	Strand	-
Start	12871	End	17312
Name	OJ000216_06.0309.C4.o4.np	Method	AAT/NAP
Start	13154	End	16297
GI	7487706	Score	803
Exons	13154..13423, 14039..14350, 14737..14860, 15958..16035, 16169..16297		
GI Descrip.	hypothetical protein T5J17.30 - Arabidopsis thaliana gi|4490737|emb|CAB38899.1| (AL035708) putative protein [Arabidopsis thaliana] gi|7271041|emb|CAB80649.1| (AL161596) putative protein [Arabidopsis thaliana]		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98738	Strand	-
Start	12871	End	17312
Name	OJ000216_06.0309.C4.o4.gp	Method	AAT/GAP
Start	14199	End	16358
GI	47756_1.R1084	Score	974
Exons	14199..14350, 14737..14866, 15958..16031, 16169..16358		
GI Descrip.	'4490737/emb|CAB38899.1| 4.0e-28 (AL035708) putative protein [Arabidopsis thaliana]'		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98739	Strand	-
Start	18307	End	18984
Name	OJ000216_06.0309.C4.o5.gs	Method	GENSCAN
Start	18307	End	18984
GI	none	Score	1
Exons	18307..18984		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98740	Strand	-
Start	19530	End	23528
Name	OJ000216_06.0309.C4.o6.gs	Method	GENSCAN
Start	19530	End	23528
GI	none	Score	.88
Exons	19530..19593, 19747..19813, 20713..20764, 21635..22014, 22129..22340, 23086..23528		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98740	Strand	-
Start	19530	End	23528
Name	OJ000216_06.0309.C4.o5.gp	Method	AAT/GAP
Start	20344	End	20715
GI	2800221	Score	669
Exons	20344..20715		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98740	Strand	-
Start	19530	End	23528
Name	OJ000216_06.0309.C4.o5.np	Method	AAT/NAP
Start	20651	End	23528
GI	3928758	Score	1371
Exons	20651..20764, 21635..22014, 22129..22340, 23086..23409, 23449..23528		
GI Descrip.	(AB007987) Lipoic acid synthase [Arabidopsis thaliana] gi|4454462|gb|AAD20909.1| (AC006234) lipoic acid synthase (LIP1) [Arabidopsis thaliana]		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98740	Strand	-
Start	19530	End	23528
Name	OJ000216_06.0309.C4.o6.gp	Method	AAT/GAP
Start	22129	End	23281
GI	LIB3432-004-P1-K1-D10	Score	729
Exons	22129..22340, 23086..23281		
GI Descrip.	'3928758/dbj|BAA34701| 3.0e-63 (AB007987) Lipoic acid synthase [Arabidopsis thaliana] >gi_4454462_gb_AAD20909_ (AC006234) putative lipoic acid synthase [Arabidopsis thaliana]'		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o4.tm	Method	TBLASTX:Maize
Start	523	End	1307
GI	none	Score	71
Exons	523..567, 525..566, 569..625, 574..606, 1106..1129, 1107..1130, 1134..1256, 1135..1254, 1236..1307, 1250..1285		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o6.tm	Method	TBLASTX:Maize
Start	1591	End	1828
GI	none	Score	50
Exons	1591..1668, 1664..1828, 1669..1827		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o5.tm	Method	TBLASTX:Maize
Start	4495	End	4790
GI	none	Score	135
Exons	4495..4692, 4497..4700, 4497..4703, 4498..4710, 4745..4786, 4752..4790		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o1.tw	Method	TBLASTX:Wheat
Start	4588	End	6421
GI	none	Score	108
Exons	4588..4707, 4590..4877, 4595..4879, 4596..4880, 6327..6419, 6334..6420, 6335..6421		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o2.tm	Method	TBLASTX:Maize
Start	12993	End	16301
GI	none	Score	45
Exons	12993..13031, 13000..13062, 13002..13061, 13078..13287, 13079..13312, 13084..13311, 13098..13313, 13122..13325, 13306..13422, 13307..13423, 13308..13424, 14009..14071, 14040..14069, 14043..14081, 14044..14076, 14067..14228, 14070..14216, 14075..14230, 14075..14230, 14081..14230, 14224..14352, 14234..14353, 14235..14357, 14236..14352, 14256..14357, 14713..14784, 14724..14783, 14748..14867, 14785..14868, 14813..14869, 15960..16034, 15991..16032, 16221..16301, 16238..16300		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o2.tc	Method	TBLASTX:Cress
Start	13127	End	16301
GI	none	Score	44
Exons	13127..13423, 13150..13221, 13164..13424, 13311..13433, 13312..13431, 14004..14351, 14009..14353, 14713..14859, 14810..14869, 16224..16301, 16238..16297		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o4.ts	Method	TBLASTX:Soybean
Start	13151	End	13427
GI	none	Score	229
Exons	13151..13423, 13161..13427		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o2.tw	Method	TBLASTX:Wheat
Start	13225	End	14224
GI	none	Score	265
Exons	13225..13305, 13229..13420, 13236..13421, 13236..13424, 13488..13526, 14009..14224, 14041..14220		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o3.ts	Method	TBLASTX:Soybean

Start	14119	End	16298
GI	none	Score	121
Exons	14119..14352, 14120..14353, 14121..14351, 14737..14787, 14770..14868, 16224..16298, 16238..16297		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	20654	End	22227
GI	none	Score	95
Exons	20654..20764, 20673..20819, 21630..22016, 21634..22020, 21635..22015, 22130..22189, 22134..22172, 22169..22222, 22176..22226, 22177..22227		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	20657	End	23327
GI	none	Score	77
Exons	20657..20764, 20675..20764, 20679..20819, 21631..22017, 21635..22015, 21636..22019, 22130..22345, 22131..22346, 22131..22346, 23085..23327, 23086..23322		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	21777	End	23223
GI	none	Score	337
Exons	21777..22019, 21779..22015, 22129..22263, 22130..22345, 22131..22343, 23085..23222, 23086..23223		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o2.ts	Method	TBLASTX:Soybean
Start	22313	End	23384
GI	none	Score	266
Exons	22313..22345, 23085..23384, 23086..23334		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o3.tm	Method	TBLASTX:Maize
Start	23225	End	23477
GI	none	Score	54
Exons	23225..23254, 23225..23254, 23256..23387, 23257..23388, 23422..23454, 23427..23477		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o7.gp	Method	AAT/GAP
Start	24944	End	25843
GI	2280615	Score	541

Exons	24944..25089, 25471..25537, 25736..25843		
GI Descrip.	4689108/gb|AAD27763.1|AF077030_1 1.0e-35 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o7.gs	Method	GENSCAN
Start	24998	End	25828
GI	none	Score	.83
Exons	24998..25089, 25471..25537, 25736..25828		

Seq. No.	46522	Seq. ID	OJ000216_06.0309.C4
Gene No.	98741	Strand	-
Start	24998	End	25893
Name	OJ000216_06.0309.C4.o6.np	Method	AAT/NAP
Start	25001	End	25893
GI	6598578	Score	298
Exons	25001..25089, 25394..25537, 25736..25893		
GI Descrip.	(AC006228) F5J5.4 [Arabidopsis thaliana]		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98742	Strand	+
Start	2937	End	3356
Name	OJ000216_06.0309.C5.o2.gs	Method	GENSCAN
Start	2937	End	3356
GI	none	Score	1
Exons	2937..3356		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98743	Strand	-
Start	1	End	1479
Name	OJ000216_06.0309.C5.o1.gp	Method	AAT/GAP
Start	1	End	1359
GI	20764_1.R1084	Score	466
Exons	1..33, 245..318, 1169..1359		
GI Descrip.	'4689108/gb|AAD27763.1|AF077030_1 7.0e-40 (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] >gi_4929577_gb_AAD34049.1_AF151812_1 (AF151812) CGI-54 protein [Homo sapiens]'		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98743	Strand	-
Start	1	End	1479
Name	OJ000216_06.0309.C5.o1.np	Method	AAT/NAP
Start	1	End	1310
GI	6970282	Score	244
Exons	1..41, 224..318, 1169..1310		
GI Descrip.	(AC021666) unknown protein [Arabidopsis thaliana]		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98743	Strand	-
Start	1	End	1479
Name	OJ000216_06.0309.C5.o1.tw	Method	TBLASTX:Wheat
Start	224	End	1322

GI	none	Score	130
Exons	224..337, 1164..1322, 1180..1311		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98743	Strand	-
Start	1	End	1479
Name	OJ000216_06.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	230	End	1311
GI	none	Score	112
Exons	230..337, 1167..1310, 1183..1311		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98743	Strand	-
Start	1	End	1479
Name	OJ000216_06.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	230	End	1314
GI	none	Score	95
Exons	230..316, 245..319, 1167..1313, 1180..1314		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98743	Strand	-
Start	1	End	1479
Name	OJ000216_06.0309.C5.o1.gs	Method	GENSCAN
Start	1046	End	1479
GI	none	Score	.88
Exons	1046..1118, 1169..1389, 1426..1479		

Seq. No.	46523	Seq. ID	OJ000216_06.0309.C5
Gene No.	98743	Strand	-
Start	1	End	1479
Name	OJ000216_06.0309.C5.o1.ts	Method	TBLASTX:Soybean
Start	1173	End	1310
GI	none	Score	124
Exons	1173..1310, 1183..1293		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98744	Strand	+
Start	2228	End	2886
Name	OJ000216_06.0309.C6.o1.gs	Method	GENSCAN
Start	2228	End	2863
GI	none	Score	1
Exons	2228..2278, 2360..2863		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98744	Strand	+
Start	2228	End	2886
Name	OJ000216_06.0309.C6.o1.np	Method	AAT/NAP
Start	2313	End	2886
GI	7487209	Score	397
Exons	2313..2395, 2429..2886		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98745	Strand	+

Start	3413	End	8762
Name	OJ000216_06.0309.C6.o2.gs	Method	GENSCAN
Start	3413	End	4071
GI	none	Score	1
Exons	3413..3472, 3559..4071		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98745	Strand	+
Start	3413	End	8762
Name	OJ000216_06.0309.C6.o2.np	Method	AAT/NAP
Start	3416	End	4094
GI	7487209	Score	397
Exons	3416..3466, 3613..4094		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98745	Strand	+
Start	3413	End	8762
Name	OJ000216_06.0309.C6.o3.np	Method	AAT/NAP
Start	3532	End	8762
GI	4958867	Score	386
Exons	3532..3580, 4645..5023, 8708..8762		
GI Descrip.	(AB027572) RNA polymerase subunit beta [Triticum aestivum]		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98746	Strand	+
Start	10554	End	11446
Name	OJ000216_06.0309.C6.o4.gp	Method	AAT/GAP
Start	10469	End	10959
GI	25519_1.R1084	Score	700
Exons	10469..10601, 10693..10959		
GI Descrip.	'3080442/emb|CAA18759.1| 1.0e-16 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98746	Strand	+
Start	10554	End	11446
Name	OJ000216_06.0309.C6.o4.gs	Method	GENSCAN
Start	10554	End	11226
GI	none	Score	.98
Exons	10554..10601, 10693..11226		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98746	Strand	+
Start	10554	End	11446
Name	OJ000216_06.0309.C6.o4.np	Method	AAT/NAP
Start	10554	End	11232
GI	7487209	Score	425
Exons	10554..10613, 10753..11232		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98746	Strand	+
Start	10554	End	11446
Name	OJ000216_06.0309.C6.o5.gp	Method	AAT/GAP
Start	11129	End	11446
GI	none	Score	542
Exons	11129..11446		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98747	Strand	+
Start	12309	End	12763
Name	OJ000216_06.0309.C6.o6.gp	Method	AAT/GAP
Start	12309	End	12763
GI	LIB3434-025-P1-K1-D11	Score	834
Exons	12309..12763		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98748	Strand	+
Start	15121	End	17901
Name	OJ000216_06.0309.C6.o5.np	Method	AAT/NAP
Start	15121	End	17901
GI	2224927	Score	614
Exons	15121..15327, 15361..16071, 17873..17901		
GI Descrip.	(AF004213) ethylene-insensitive3-like1 [Arabidopsis thaliana]		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98748	Strand	+
Start	15121	End	17901
Name	OJ000216_06.0309.C6.o7.gp	Method	AAT/GAP
Start	17057	End	17901
GI	1550_2.R1084	Score	1611
Exons	17057..17901		
GI Descrip.	'733458 1.0e-107 (U23190) chlorophyll a/b-binding apoprotein CP24 precursor [Zea mays]'		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98749	Strand	-
Start	1994	End	2079
Name	OJ000216_06.0309.C6.o1.gp	Method	AAT/GAP
Start	1994	End	2079
GI	90742_1.R1084	Score	103
Exons	1994..2079		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98750	Strand	-
Start	6632	End	7601
Name	OJ000216_06.0309.C6.o2.gp	Method	AAT/GAP
Start	6037	End	6643
GI	none	Score	1177
Exons	6037..6643		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98750	Strand	-

Start	6632	End	7601
Name	OJ000216_06.0309.C6.o3.gs	Method	GENSCAN
Start	6632	End	7601
GI	none	Score	.82
Exons	6632..6754, 6941..7146, 7203..7287, 7581..7601		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98751	Strand	-
Start	11965	End	12982
Name	OJ000216_06.0309.C6.o5.gs	Method	GENSCAN
Start	11965	End	12982
GI	none	Score	.41
Exons	11965..12076, 12423..12621, 12889..12982		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o2.tm	Method	TBLASTX:Maize
Start	2377	End	11166
GI	none	Score	108
Exons	2377..2541, 2411..2818, 2422..2787, 2426..2800, 3637..4047, 3639..3686, 3673..3780, 3810..3983, 3934..4017, 10747..11166, 10758..10865, 10798..10890, 10950..11144		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o2.tw	Method	TBLASTX:Wheat
Start	2420	End	10974
GI	none	Score	129
Exons	2420..2512, 2428..2523, 2428..2511, 2569..2625, 2570..2626, 2570..2626, 3633..3686, 3634..3729, 3769..3843, 3810..3842, 10774..10860, 10776..10829, 10918..10974, 10950..10970		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o3.tc	Method	TBLASTX:Cress
Start	2426	End	11166
GI	none	Score	434
Exons	2426..2617, 2429..2818, 2431..2817, 3634..4035, 3642..3686, 3810..4043, 10747..11166, 10761..10865, 10950..11138		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o3.ts	Method	TBLASTX:Soybean
Start	2426	End	11166
GI	none	Score	114
Exons	2426..2644, 2428..2643, 2429..2818, 2431..2817, 3643..4035, 3810..3983, 3922..4014, 10768..11166, 10779..10865, 10950..11135		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o4.tc	Method	TBLASTX:Cress
Start	4632	End	4917

GI	none	Score	86
Exons	4632..4691, 4632..4691, 4684..4797, 4688..4798, 4799..4906, 4800..4907, 4810..4917, 4810..4917		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o4.tm	Method	TBLASTX:Maize
Start	4726	End	5003
GI	none	Score	367
Exons	4726..4992, 4727..4993, 4727..5002, 4728..5003		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o5.tm	Method	TBLASTX:Maize
Start	9631	End	9782
GI	none	Score	179
Exons	9631..9744, 9632..9745, 9632..9781, 9753..9782		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o2.tc	Method	TBLASTX:Cress
Start	15276	End	16061
GI	none	Score	53
Exons	15276..15326, 15426..15620, 15431..15616, 15677..15754, 15678..15860, 15789..15917, 15917..16060, 15918..16061		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o2.ts	Method	TBLASTX:Soybean
Start	15276	End	16067
GI	none	Score	46
Exons	15276..15326, 15426..15620, 15431..15616, 15677..15751, 15678..15860, 15786..15917, 15851..15916, 15917..16051, 15918..16061, 15924..16067		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o3.tm	Method	TBLASTX:Maize
Start	15425	End	16067
GI	none	Score	248
Exons	15425..15616, 15426..15620, 15678..15860, 15689..15757, 15786..15917, 15848..15916, 15914..16054, 15918..16055, 15924..16067		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	17347	End	17901
GI	none	Score	62
Exons	17347..17412, 17373..17900, 17421..17519, 17503..17901		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	17373	End	17901
GI	none	Score	495
Exons	17373..17900, 17503..17901		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	17373	End	17901
GI	none	Score	83
Exons	17373..17900, 17421..17519, 17503..17901		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o7.gs	Method	GENSCAN
Start	17373	End	17822
GI	none	Score	1
Exons	17373..17822		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o6.np	Method	AAT/NAP
Start	17376	End	17901
GI	4689390	Score	885
Exons	17376..17901		
GI Descrip.	(AF139470) chlorophyll a/b-binding protein CP24 precursor [Vigna radiata]		

Seq. No.	46524	Seq. ID	OJ000216_06.0309.C6
Gene No.	98752	Strand	-
Start	17373	End	17901
Name	OJ000216_06.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	17412	End	17900
GI	none	Score	74
Exons	17412..17501, 17424..17504, 17526..17570, 17527..17571, 17679..17858, 17722..17853, 17778..17900		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98753	Strand	+
Start	5354	End	7848
Name	OJ000216_06.0309.C7.o2.np	Method	AAT/NAP
Start	5354	End	7848
GI	5922623	Score	199
Exons	5354..5437, 5818..5973, 6140..6211, 7737..7848		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98754	Strand	+
Start	10522	End	11021

Name	OJ000216_06.0309.C7.o3.gs	Method	GENSCAN
Start	10522	End	11021
GI	none	Score	.87
Exons	10522..10528, 10996..11021		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98755	Strand	+
Start	11933	End	14199
Name	OJ000216_06.0309.C7.o3.np	Method	AAT/NAP
Start	11906	End	14169
GI	6069664	Score	678
Exons	11906..12078, 12409..12473, 12621..12735, 13087..13525, 13778..13929, 14028..14169		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98755	Strand	+
Start	11933	End	14199
Name	OJ000216_06.0309.C7.o4.gs	Method	GENSCAN
Start	11933	End	14199
GI	none	Score	.56
Exons	11933..12078, 12409..12442, 13184..13525, 13558..13662, 13778..13929, 14028..14199		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98756	Strand	+
Start	21918	End	24000
Name	OJ000216_06.0309.C7.o8.gs	Method	GENSCAN
Start	21918	End	24000
GI	none	Score	.92
Exons	21918..21973, 22139..22287, 23082..23383, 23440..24000		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98757	Strand	-
Start	1	End	3137
Name	OJ000216_06.0309.C7.o1.np	Method	AAT/NAP
Start	1	End	3137
GI	2130343	Score	196
Exons	1..31, 1204..1260, 1600..1759, 2807..3137		
GI Descrip.	hypothetical protein SPAC23D3.11 - fission yeast (Schizosaccharomyces pombe)		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98757	Strand	-
Start	1	End	3137
Name	OJ000216_06.0309.C7.o1.gs	Method	GENSCAN
Start	37	End	3077
GI	none	Score	.79
Exons	37..241, 1021..1260, 1600..1759, 2807..3077		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98758	Strand	-
Start	4345	End	5854
Name	OJ000216_06.0309.C7.o2.gs	Method	GENSCAN
Start	4345	End	5854

GI	none	Score	.49
Exons	4345..4445, 4486..4671, 5013..5199, 5387..5561, 5793..5854		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98759	Strand	-
Start	14853	End	15464
Name	OJ000216_06.0309.C7.o5.gs	Method	GENSCAN
Start	14853	End	15464
GI	none	Score	.69
Exons	14853..15025, 15287..15464		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98760	Strand	-
Start	16783	End	17697
Name	OJ000216_06.0309.C7.o1.gp	Method	AAT/GAP
Start	16497	End	16954
GI	2429055	Score	889
Exons	16497..16954		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98760	Strand	-
Start	16783	End	17697
Name	OJ000216_06.0309.C7.o6.gs	Method	GENSCAN
Start	16783	End	17697
GI	none	Score	.42
Exons	16783..16993, 17395..17529, 17588..17697		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	877	End	3126
GI	none	Score	350
Exons	877..1242, 921..1262, 924..1244, 953..1252, 1583..1756, 1593..1760, 1599..1760, 1600..1761, 2805..3125, 2806..2874, 2868..3089, 3097..3126		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o3.ts	Method	TBLASTX:Soybean
Start	999	End	1239
GI	none	Score	121
Exons	999..1238, 1006..1239		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o2.tc	Method	TBLASTX:Cress
Start	1062	End	1761
GI	none	Score	127
Exons	1062..1262, 1594..1761, 1599..1760		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o4.ts	Method	TBLASTX:Soybean

Start	2862	End	3125
GI	none	Score	77
Exons	2862..3125, 2874..3050		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o5.tm	Method	TBLASTX:Maize
Start	13097	End	13398
GI	none	Score	148
Exons	13097..13210, 13099..13209, 13297..13398, 13298..13396		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o2.gp	Method	AAT/GAP
Start	18186	End	18832
GI	5455327	Score	1192
Exons	18186..18832		
GI Descrip.	4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	18667	End	19401
GI	none	Score	140
Exons	18667..18792, 18675..18797, 18684..18800, 18777..18905, 18798..18905, 18799..18912, 19007..19159, 19008..19151, 19009..19170, 19293..19343, 19300..19401		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o7.gs	Method	GENSCAN
Start	18667	End	20614
GI	none	Score	.79
Exons	18667..18972, 19013..19150, 19287..19551, 19686..19921, 20102..20614		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	18681	End	23378
GI	none	Score	53
Exons	18681..18731, 18688..18726, 18732..18905, 18772..18903, 19007..19150, 19026..19151, 19285..19365, 19287..19343, 19348..19554, 19395..19550, 19683..19868, 19688..19870, 20099..20620, 20100..20615, 20420..20623, 23159..23236, 23166..23255, 23244..23282, 23279..23377, 23346..23378		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-

Start	18186	End	23482
Name	OJ000216_06.0309.C7.o4.np	Method	AAT/NAP
Start	18684	End	23482
GI	7433816	Score	1746
Exons	18684..18902, 19013..19150, 19287..19551, 19686..19921, 20102..20617, 23144..23482		
GI Descrip.	probable gamma-glutamyltransferase (EC 2.3.2.2) T19P19.30 - Arabidopsis thaliana gi|3080433|emb|CAA18750.1| (AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana] gi|7270948|emb|CAB80627.1| (AL161595) putative gamma-glutamyltransferase [Arabidopsis thaliana]		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o2.ts	Method	TBLASTX:Soybean
Start	18690	End	19165
GI	none	Score	70
Exons	18690..18743, 18691..18738, 18744..18905, 18853..18903, 19007..19165, 19013..19153		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o5.ts	Method	TBLASTX:Soybean
Start	19287	End	19554
GI	none	Score	188
Exons	19287..19343, 19294..19554, 19395..19553		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o4.tm	Method	TBLASTX:Maize
Start	19438	End	19781
GI	none	Score	170
Exons	19438..19554, 19440..19553, 19441..19554, 19673..19774, 19683..19781, 19685..19780		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	19684	End	20530
GI	none	Score	35
Exons	19684..19725, 19685..19741, 19730..19921, 19731..19931, 20090..20470, 20121..20465, 20468..20530		

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o3.gp	Method	AAT/GAP
Start	19693	End	20330
GI	25020_1.R1084	Score	881
Exons	19693..19921, 20102..20330		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical		

protein genes, complete cds'

Seq. No.	46525	Seq. ID	OJ000216_06.0309.C7
Gene No.	98761	Strand	-
Start	18186	End	23482
Name	OJ000216_06.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	20186	End	20579
GI	none	Score	126
Exons	20186..20452, 20186..20578, 20193..20579		

Seq. No.	46526	Seq. ID	OJ000216_06.0309.C8
Gene No.	98762	Strand	+
Start	237	End	398
Name	OJ000216_06.0309.C8.o1.np	Method	AAT/NAP
Start	237	End	398
GI	5902376	Score	120
Exons	237..398		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46526	Seq. ID	OJ000216_06.0309.C8
Gene No.	98763	Strand	-
Start	810	End	1870
Name	OJ000216_06.0309.C8.o1.gs	Method	GENSCAN
Start	810	End	1870
GI	none	Score	.6
Exons	810..911, 1487..1636, 1786..1870		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98764	Strand	+
Start	504	End	688
Name	OJ000216_06.0309.C9.o1.gp	Method	AAT/GAP
Start	504	End	688
GI	none	Score	342
Exons	504..688		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o2.gp	Method	AAT/GAP
Start	719	End	1766
GI	6421_1.R1084	Score	1270
Exons	719..1133, 1493..1766		
GI Descrip.	'5091623/gb|AAD39611.1|AC007454_10 7.0e-90 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o3.ts	Method	TBLASTX:Soybean
Start	804	End	1082
GI	none	Score	62
Exons	804..887, 823..882, 882..1082, 892..1080		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9

Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	822	End	2998
GI	none	Score	64
Exons	822..884, 822..1133, 823..1068, 1089..1133, 1490..1888, 1490..1888, 1749..1907, 2094..2135, 2216..2458, 2218..2559, 2219..2560, 2628..2717, 2640..2690, 2957..2998		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o2.tw	Method	TBLASTX:Wheat
Start	822	End	1133
GI	none	Score	67
Exons	822..887, 921..1133, 922..1059		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o1.np	Method	AAT/NAP
Start	825	End	3819
GI	5091623	Score	2105
Exons	825..1133, 1493..1887, 2217..2558, 2639..2780, 2897..2999, 3081..3152, 3268..3339, 3463..3614, 3703..3819		
GI Descrip.	(AC007454) Similar to gb|U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF|00560 Leucine Rich Repeat domains and a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o1.gs	Method	GENSCAN
Start	826	End	3606
GI	none	Score	.8
Exons	826..1133, 1493..1887, 2367..2558, 2639..2767, 2887..2999, 3463..3606		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o1.tc	Method	TBLASTX:Cress
Start	942	End	1828
GI	none	Score	160
Exons	942..1133, 1502..1828, 1505..1822, 1749..1826		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	1083	End	2769
GI	none	Score	69
Exons	1083..1133, 1089..1133, 1464..1661, 1502..1888, 1505..1888, 1509..1904, 1749..1907, 2094..2135, 2218..2559, 2219..2560, 2628..2717, 2639..2719, 2640..2690, 2641..2769		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o1.tw	Method	TBLASTX:Wheat
Start	1547	End	1867
GI	none	Score	87
Exons	1547..1864, 1553..1867		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o2.tc	Method	TBLASTX:Cress
Start	2218	End	2690
GI	none	Score	267
Exons	2218..2592, 2225..2545, 2643..2690		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o3.gp	Method	AAT/GAP
Start	2276	End	2765
GI	LIB3432-051-P1-K1-B5	Score	746
Exons	2276..2558, 2639..2765		
GI Descrip.	'4490310/emb|CAB38801.1| 2.0e-50 (AL035678) somatic embryogenesis receptor-like kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o4.tw	Method	TBLASTX:Wheat
Start	2287	End	2535
GI	none	Score	59
Exons	2287..2535, 2393..2521		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o3.tc	Method	TBLASTX:Cress
Start	2960	End	3611
GI	none	Score	45
Exons	2960..3016, 2961..3002, 3081..3152, 3083..3151, 3267..3359, 3271..3315, 3287..3334, 3303..3335, 3462..3512, 3474..3578, 3495..3611, 3514..3576		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o2.ts	Method	TBLASTX:Soybean
Start	2963	End	3611
GI	none	Score	47
Exons	2963..3016, 2964..3017, 3081..3152, 3083..3151, 3264..3296, 3267..3359, 3287..3334, 3462..3611, 3463..3582, 3495..3611		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819

Name	OJ000216_06.0309.C9.o2.tm	Method	TBLASTX:Maize
Start	3059	End	3614
GI	none	Score	64
Exons	3059..3133, 3081..3179, 3081..3152, 3082..3168, 3083..3187, 3267..3338, 3287..3337, 3297..3335, 3446..3604, 3459..3605, 3462..3611, 3462..3605, 3465..3614		

Seq. No.	46527	Seq. ID	OJ000216_06.0309.C9
Gene No.	98765	Strand	-
Start	719	End	3819
Name	OJ000216_06.0309.C9.o3.tw	Method	TBLASTX:Wheat
Start	3267	End	3611
GI	none	Score	147
Exons	3267..3359, 3450..3605, 3462..3611		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98766	Strand	+
Start	1	End	10407
Name	OJ000216_09.0330.C2.o1.np	Method	AAT/NAP
Start	1	End	7504
GI	7485561	Score	300
Exons	1..21, 1504..1658, 1753..2114, 3521..3756, 5039..5251, 5495..5635, 6463..6622, 7118..7504		
GI Descrip.	hypothetical protein F16G20.60 - Arabidopsis thaliana gi|3451061|emb|CAA20457.1| (AL031326) putative protein [Arabidopsis thaliana] gi|7269184|emb|CAB79291.1| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98766	Strand	+
Start	1	End	10407
Name	OJ000216_09.0330.C2.o1.gs	Method	GENSCAN
Start	450	End	10407
GI	none	Score	.7
Exons	450..500, 1153..1282, 1922..2068, 5001..5083, 5550..5714, 6479..6622, 7118..7394, 7848..8006, 8792..9154, 10265..10407		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98767	Strand	+
Start	10760	End	16269
Name	OJ000216_09.0330.C2.o2.np	Method	AAT/NAP
Start	10760	End	15879
GI	7288014	Score	876
Exons	10760..10817, 12309..12618, 12722..12950, 13097..13242, 14343..14430, 14511..14657, 15568..15717, 15816..15879		
GI Descrip.	(AL132971) RING finger-like protein [Arabidopsis thaliana]		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98767	Strand	+
Start	10760	End	16269
Name	OJ000216_09.0330.C2.o1.gp	Method	AAT/GAP
Start	11626	End	11909
GI	LIB3474-007-P1-K1-C5	Score	462
Exons	11626..11909		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 5.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98767	Strand	+
Start	10760	End	16269
Name	OJ000216_09.0330.C2.o3.gs	Method	GENSCAN
Start	12329	End	15863
GI	none	Score	.91
Exons	12329..12618, 12722..12950, 13112..13242, 14343..14430, 14511..14657, 15568..15717, 15816..15863		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98767	Strand	+
Start	10760	End	16269
Name	OJ000216_09.0330.C2.o3.gp	Method	AAT/GAP
Start	14398	End	16269
GI	11174_1.R1084	Score	1446
Exons	14398..14430, 14511..14657, 15568..15717, 15816..16269		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 6.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98768	Strand	-
Start	10942	End	11999
Name	OJ000216_09.0330.C2.o2.gs	Method	GENSCAN
Start	10942	End	11999
GI	none	Score	.59
Exons	10942..11175, 11180..11468, 11675..11862, 11988..11999		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98769	Strand	-
Start	17008	End	18212
Name	OJ000216_09.0330.C2.o4.gs	Method	GENSCAN
Start	17008	End	18212
GI	none	Score	.9
Exons	17008..17328, 17411..17793, 17870..18212		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98770	Strand	-
Start	19825	End	20842
Name	OJ000216_09.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	12325	End	15901
GI	none	Score	89
Exons	12325..12405, 12326..12406, 12471..12524, 12473..12523, 12521..12619, 12523..12618, 12524..12619, 12716..12757, 12720..12950, 12723..12950, 13090..13242, 13091..13240, 14341..14403, 14342..14425, 14343..14426, 14343..14435, 14344..14436, 14503..14640, 14503..14658, 14504..14662, 14505..14663, 15542..15697, 15564..15716, 15567..15689, 15568..15717, 15785..15901, 15822..15863		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98770	Strand	-
Start	19825	End	20842
Name	OJ000216_09.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	12325	End	12899
GI	none	Score	39
Exons	12325..12357, 12443..12526, 12496..12519, 12521..12619, 12532..12618, 12713..12757, 12720..12899, 12723..12899		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98770	Strand	-
Start	19825	End	20842
Name	OJ000216_09.0330.C2.o2.ts	Method	TBLASTX:Soybean
Start	13091	End	15860
GI	none	Score	192
Exons	13091..13240, 13096..13242, 14343..14429, 14344..14433, 14368..14433, 14505..14615, 14515..14574, 14516..14587, 14619..14669, 15564..15716, 15568..15717, 15822..15860		

Seq. No.	46528	Seq. ID	OJ000216_09.0330.C2
Gene No.	98770	Strand	-
Start	19825	End	20842
Name	OJ000216_09.0330.C2.o5.gs	Method	GENSCAN
Start	19825	End	20842
GI	none	Score	.6
Exons	19825..19987, 20360..20453, 20539..20842		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98771	Strand	+
Start	4752	End	6087
Name	OJ000216_09.0330.C3.o2.gs	Method	GENSCAN
Start	4752	End	6087
GI	none	Score	.87
Exons	4752..4908, 5972..6087		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98772	Strand	+
Start	7044	End	10056
Name	OJ000216_09.0330.C3.o3.gs	Method	GENSCAN
Start	7044	End	9458
GI	none	Score	.87
Exons	7044..7116, 7570..8270, 8467..8565, 8766..9458		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98772	Strand	+
Start	7044	End	10056
Name	OJ000216_09.0330.C3.o2.np	Method	AAT/NAP
Start	7596	End	10056
GI	4559347	Score	1015
Exons	7596..8270, 8467..8685, 8766..9030, 9234..10056		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98773	Strand	-
Start	1	End	4552
Name	OJ000216_09.0330.C3.o1.np	Method	AAT/NAP
Start	1	End	4552
GI	2739433	Score	407
Exons	1..32, 1210..1369, 1460..1509, 2132..2275, 2378..2704, 2803..2973, 3099..3193, 3610..3724, 4401..4552		
GI Descrip.	(U70369) hematopoietic-specific IL-2 deubiquitinating enzyme [Mus musculus]		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98773	Strand	-

Start	1	End	4552
Name	OJ000216_09.0330.C3.o1.gs	Method	GENSCAN
Start	14	End	3754
GI	none	Score	.86
Exons	14..121, 217..1527, 2150..2275, 2378..2704, 2803..2975, 3610..3754		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98774	Strand	-
Start	9692	End	9936
Name	OJ000216_09.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	1369	End	3126
GI	none	Score	111
Exons	1369..1410, 1400..1528, 1400..1528, 1402..1530, 1416..1529, 1417..1548, 2134..2265, 2134..2262, 2147..2275, 2148..2276, 2362..2487, 2366..2524, 2366..2707, 2388..2705, 2582..2710, 2794..2976, 2794..2973, 2795..2974, 2801..3007, 2802..2975, 3078..3125, 3088..3126		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98774	Strand	-
Start	9692	End	9936
Name	OJ000216_09.0330.C3.o1.tc	Method	TBLASTX:Cress
Start	1459	End	2599
GI	none	Score	68
Exons	1459..1530, 1460..1528, 2144..2263, 2148..2261, 2369..2443, 2465..2599		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98774	Strand	-
Start	9692	End	9936
Name	OJ000216_09.0330.C3.o1.ts	Method	TBLASTX:Soybean
Start	2183	End	2615
GI	none	Score	69
Exons	2183..2269, 2184..2270, 2387..2614, 2469..2615		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98774	Strand	-
Start	9692	End	9936
Name	OJ000216_09.0330.C3.o2.tm	Method	TBLASTX:Maize
Start	3132	End	4364
GI	none	Score	69
Exons	3132..3191, 3136..3192, 3604..3711, 3605..3724, 3609..3725, 4115..4159, 4247..4363, 4248..4364		

Seq. No.	46529	Seq. ID	OJ000216_09.0330.C3
Gene No.	98774	Strand	-
Start	9692	End	9936
Name	OJ000216_09.0330.C3.o4.gs	Method	GENSCAN
Start	9692	End	9936
GI	none	Score	.92
Exons	9692..9936		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98775	Strand	+
Start	1	End	11662
Name	OJ000216_09.0330.C4.o1.np	Method	AAT/NAP

Start	1	End	9049
GI	7513653	Score	62
Exons	1..26, 8282..8423, 8485..8556, 9028..9049		
GI Descrip.	formin related protein, lymphocyte specific - mouse gi|4101720|gb|AAD01273.1| (AF006466) lymphocyte specific formin related protein [Mus musculus]		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98775	Strand	+
Start	1	End	11662
Name	OJ000216_09.0330.C4.o1.gs	Method	GENSCAN
Start	148	End	4758
GI	none	Score	.75
Exons	148..310, 360..431, 672..770, 900..941, 1288..1368, 1476..1526, 1616..1697, 2100..2194, 2795..2866, 2927..3061, 4057..4123, 4604..4758		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98775	Strand	+
Start	1	End	11662
Name	OJ000216_09.0330.C4.o1.gp	Method	AAT/GAP
Start	8286	End	9423
GI	30792_1.R1084	Score	1329
Exons	8286..8571, 8848..9265, 9359..9423		
GI Descrip.	'2980774/emb|CAA18201.1| 5.0e-25 (AL022198) leucyl aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98775	Strand	+
Start	1	End	11662
Name	OJ000216_09.0330.C4.o2.gs	Method	GENSCAN
Start	8293	End	11568
GI	none	Score	.76
Exons	8293..8667, 8848..9553, 9651..9876, 10003..10225, 10353..10430, 10708..10768, 10871..11058, 11185..11288, 11475..11568		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98775	Strand	+
Start	1	End	11662
Name	OJ000216_09.0330.C4.o2.np	Method	AAT/NAP
Start	8521	End	11313
GI	231536	Score	1812
Exons	8521..8571, 8848..9265, 9359..9553, 9651..9876, 10003..10225, 10353..10430, 10708..10768, 10871..11058, 11185..11313		
GI Descrip.	CYTOSOL AMINOPEPTIDASE (LEUCINE AMINOPEPTIDASE) (LAP) (LEUCYL AMINOPEPTIDASE) (PROLINE AMINOPEPTIDASE) (PROLYL AMINOPEPTIDASE) gi|99683|pir||S22399 leucyl aminopeptidase (EC 3.4.11.1) - Arabidopsis thaliana gi|16394|emb|CAA45040.1| (X63444) leucine aminopeptidase [Arabidopsis thaliana] gi|4115380|gb|AAD03381.1| (AC005967) putative leucine aminopeptidase [Arabidopsi		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98775	Strand	+
Start	1	End	11662
Name	OJ000216_09.0330.C4.o2.gp	Method	AAT/GAP
Start	9992	End	11662
GI	2300_1.R1084	Score	1954

Exons	9992..10225, 10353..10430, 10708..10768, 10871..11058, 11185..11662		
GI Descrip.	'3790743 3.0e-10 (AF099919) contains similarity to cytochrome C oxidase assembly protein COX17 homologues [Caenorhabditis elegans]'		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98776	Strand	+
Start	13410	End	14785
Name	OJ000216_09.0330.C4.o3.gp	Method	AAT/GAP
Start	13410	End	14785
GI	2312774	Score	721
Exons	13410..13512, 14457..14785		
GI Descrip.	3790743 3.0e-10 (AF099919) contains similarity to cytochrome C oxidase assembly protein COX17 homologues [Caenorhabditis elegans]		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98776	Strand	+
Start	13410	End	14785
Name	OJ000216_09.0330.C4.o3.np	Method	AAT/NAP
Start	14448	End	14719
GI	7293034	Score	183
Exons	14448..14719		
GI Descrip.	(AE003497) CG9065 gene product [Drosophila melanogaster]		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o4.ts	Method	TBLASTX:Soybean
Start	675	End	2185
GI	none	Score	130
Exons	675..776, 1269..1358, 1297..1374, 1436..1528, 1473..1529, 1613..1699, 1613..1699, 2098..2184, 2099..2185		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o4.tm	Method	TBLASTX:Maize
Start	8464	End	9123
GI	none	Score	60
Exons	8464..8502, 8466..8534, 8533..8574, 8535..8567, 8844..8960, 8844..9122, 8845..9123		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	8845	End	11314
GI	none	Score	257
Exons	8845..9120, 8850..9107, 9327..9575, 9331..9558, 9605..9874, 9617..9874, 9646..9876, 9673..9876, 9994..10227, 9995..10228, 10347..10436, 10707..10772, 10708..10770, 10866..11057, 10867..11058, 10867..11058, 11163..11309, 11164..11310, 11182..11310, 11183..11314		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4

Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	8845	End	11310
GI	none	Score	265
Exons	8845..9111, 8850..9104, 9112..9276, 9114..9272, 9355..9558, 9357..9578, 9617..9874, 9632..9874, 9661..9876, 9676..9876, 9994..10227, 9995..10228, 10347..10436, 10350..10430, 10704..10769, 10707..10769, 10708..10770, 10866..11057, 10867..11058, 11137..11304, 11145..11309, 11164..11310		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o2.tw	Method	TBLASTX:Wheat
Start	9325	End	9759
GI	none	Score	260
Exons	9325..9558, 9357..9557, 9650..9757, 9673..9759		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	9387	End	11312
GI	none	Score	153
Exons	9387..9548, 9387..9551, 9388..9558, 9412..9564, 9587..9874, 9617..9874, 9640..9876, 9670..9876, 9994..10227, 9995..10228, 10347..10436, 10348..10425, 10350..10430, 10685..10723, 10696..10764, 10704..10772, 10708..10770, 10866..11057, 10866..11057, 10867..11058, 11142..11309, 11150..11305, 11164..11310, 11165..11311, 11196..11312		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	10183	End	11058
GI	none	Score	66
Exons	10183..10227, 10184..10228, 10347..10436, 10348..10428, 10685..10723, 10705..10770, 10707..10769, 10707..10772, 10708..10770, 10866..11057, 10866..11057, 10867..11058, 10870..11058		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o3.gs	Method	GENSCAN
Start	13420	End	21231
GI	none	Score	.82
Exons	13420..13830, 15639..15744, 15846..15941, 16042..16466, 16792..16877, 16977..17069, 17181..17276, 17358..17465, 20964..21231		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o3.ts	Method	TBLASTX:Soybean

Start	14545	End	14722
GI	none	Score	285
Exons	14545..14721, 14546..14722		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o4.tc	Method	TBLASTX:Cress
Start	14561	End	14722
GI	none	Score	238
Exons	14561..14722, 14578..14721		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o4.gp	Method	AAT/GAP
Start	14901	End	15712
GI	59833_1.R1084	Score	1340
Exons	14901..15533, 15639..15712		
GI Descrip.	'3738327 6.0e-11 (AC005170) putative serine carboxypeptidase [Arabidopsis thaliana]'		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o2.tm	Method	TBLASTX:Maize
Start	15188	End	16193
GI	none	Score	52
Exons	15188..15331, 15220..15258, 15269..15295, 15368..15535, 15369..15536, 15384..15536, 15385..15537, 15636..15743, 15636..15746, 15637..15756, 15637..15756, 15846..15944, 15847..15948, 15848..15943, 16022..16177, 16044..16169, 16161..16193		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o2.tc	Method	TBLASTX:Cress
Start	15390	End	17070
GI	none	Score	136
Exons	15390..15536, 15397..15537, 15399..15575, 15636..15746, 15637..15747, 15848..15943, 16044..16061, 16063..16155, 16065..16166, 16066..16155, 16248..16466, 16255..16308, 16381..16467, 16816..16878, 16817..16879, 16972..17070, 16976..17053		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o4.np	Method	AAT/NAP
Start	15390	End	21219
GI	7269962	Score	1456
Exons	15390..15533, 15639..15744, 15846..15941, 16042..16466, 16792..16877, 16977..17069, 17181..17276, 17358..17465, 20964..21219		
GI Descrip.	(AL161577) SERINE CARBOXYPEPTIDASE II-like protein [Arabidopsis thaliana]		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o2.ts	Method	TBLASTX:Soybean
Start	15399	End	17275
GI	none	Score	89
Exons	15399..15536, 15460..15534, 15636..15746, 15712..15756, 15846..15944, 15848..15943, 16039..16161, 16042..16119, 16044..16160, 16157..16195, 16248..16292, 16255..16293, 16341..16472, 16381..16467, 16789..16878, 16972..17070, 16974..17072, 16976..17065, 17099..17143, 17173..17274, 17178..17240, 17182..17274, 17183..17275		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o5.gp	Method	AAT/GAP
Start	16247	End	16644
GI	2310570	Score	687
Exons	16247..16644		
GI Descrip.	3738327 6.0e-11 (AC005170) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o3.tm	Method	TBLASTX:Maize
Start	16248	End	21183
GI	none	Score	41
Exons	16248..16292, 16249..16293, 16350..16472, 16378..16467, 16789..16878, 16972..17070, 16976..17050, 17170..17271, 17182..17274, 17183..17278, 17359..17466, 17378..17467, 20962..20988, 21019..21138, 21020..21130, 21025..21183		

Seq. No.	46530	Seq. ID	OJ000216_09.0330.C4
Gene No.	98777	Strand	-
Start	13420	End	21231
Name	OJ000216_09.0330.C4.o3.tc	Method	TBLASTX:Cress
Start	17182	End	21135
GI	none	Score	113
Exons	17182..17274, 17183..17278, 17359..17466, 17360..17467, 20962..21096, 20963..21076, 21100..21135		

Seq. No.	46531	Seq. ID	OJ000216_09.0330.C5
Gene No.	98778	Strand	+
Start	2094	End	5503
Name	OJ000216_09.0330.C5.o2.np	Method	AAT/NAP
Start	2094	End	5503
GI	6063557	Score	85
Exons	2094..2132, 4324..4503, 5472..5503		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	46531	Seq. ID	OJ000216_09.0330.C5
Gene No.	98779	Strand	-
Start	706	End	3325
Name	OJ000216_09.0330.C5.o1.np	Method	AAT/NAP

Start	616	End	2928
GI	7485561	Score	92
Exons	616..752, 873..953, 1017..1098, 2445..2527, 2907..2928		
GI Descrip.	hypothetical protein F16G20.60 - Arabidopsis thaliana gi|3451061|emb|CAA20457.1| (AL031326) putative protein [Arabidopsis thaliana] gi|7269184|emb|CAB79291.1| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	46531	Seq. ID	OJ000216_09.0330.C5
Gene No.	98779	Strand	-
Start	706	End	3325
Name	OJ000216_09.0330.C5.o1.gs	Method	GENSCAN
Start	706	End	3325
GI	none	Score	.53
Exons	706..762, 883..1098, 1831..2016, 2448..2534, 3182..3325		

Seq. No.	46531	Seq. ID	OJ000216_09.0330.C5
Gene No.	98780	Strand	-
Start	3948	End	5492
Name	OJ000216_09.0330.C5.o2.gs	Method	GENSCAN
Start	3948	End	5492
GI	none	Score	.83
Exons	3948..4121, 4659..4740, 5422..5492		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98781	Strand	+
Start	148	End	1915
Name	OJ000216_09.0330.C6.o1.gs	Method	GENSCAN
Start	148	End	1915
GI	none	Score	.63
Exons	148..236, 1759..1915		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98782	Strand	+
Start	3197	End	7521
Name	OJ000216_09.0330.C6.o1.gp	Method	AAT/GAP
Start	3157	End	3773
GI	uC-osflcyp030f05b1	Score	962
Exons	3157..3589, 3710..3773		
GI Descrip.	'4263711/gb|AAD15397| 5.0e-28 (AC006223) putative CCR4-associated transcription factor [Arabidopsis thaliana]'		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98782	Strand	+
Start	3197	End	7521
Name	OJ000216_09.0330.C6.o2.gs	Method	GENSCAN
Start	3197	End	7521
GI	none	Score	.55
Exons	3197..3589, 3710..3793, 3977..4228, 4417..4482, 5558..5623, 6603..6939, 7209..7274, 7487..7521		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98782	Strand	+
Start	3197	End	7521
Name	OJ000216_09.0330.C6.o1.np	Method	AAT/NAP
Start	3710	End	7010
GI	4115386	Score	435

Exons	3710..3773, 3993..4162, 4417..4482, 5558..5623, 5709..5747, 6603..7010		
GI Descrip.	(AC005967) unknown protein [Arabidopsis thaliana]		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98783	Strand	-
Start	8486	End	11519
Name	OJ000216_09.0330.C6.o3.tm	Method	TBLASTX:Maize
Start	3230	End	3593
GI	none	Score	124
Exons	3230..3307, 3232..3306, 3406..3426, 3407..3466, 3431..3568, 3545..3589, 3573..3593		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98783	Strand	-
Start	8486	End	11519
Name	OJ000216_09.0330.C6.o3.gs	Method	GENSCAN
Start	8486	End	11431
GI	none	Score	.84
Exons	8486..8502, 9196..9301, 9788..9992, 10237..10424, 10554..10731, 10921..11072, 11393..11431		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98783	Strand	-
Start	8486	End	11519
Name	OJ000216_09.0330.C6.o2.np	Method	AAT/NAP
Start	8974	End	11519
GI	5281020	Score	754
Exons	8974..9095, 9196..9301, 9788..9992, 10237..10424, 10554..10731, 10921..11072, 11393..11519		
GI Descrip.	(Z97339) ATP-dependent RNA helicase like protein [Arabidopsis thaliana]		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98783	Strand	-
Start	8486	End	11519
Name	OJ000216_09.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	9785	End	10586
GI	none	Score	138
Exons	9785..9991, 9786..9995, 10239..10424, 10548..10586		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98783	Strand	-
Start	8486	End	11519
Name	OJ000216_09.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	10224	End	10593
GI	none	Score	148
Exons	10224..10388, 10226..10390, 10230..10388, 10336..10389, 10365..10466, 10366..10437, 10374..10466, 10463..10531, 10545..10592, 10548..10592, 10549..10593		

Seq. No.	46532	Seq. ID	OJ000216_09.0330.C6
Gene No.	98783	Strand	-
Start	8486	End	11519
Name	OJ000216_09.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	10656	End	11518
GI	none	Score	91

Exons	10656..10733, 10665..10733, 10669..10734, 10984..11079, 10986..11084, 10993..11073, 11390..11518, 11393..11515		
Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98784	Strand	+
Start	1	End	3404
Name	OJ000216_09.0330.C7.o2.np	Method	AAT/NAP
Start	1	End	2213
GI	2459436	Score	230
Exons	1..47, 1725..2213		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98784	Strand	+
Start	1	End	3404
Name	OJ000216_09.0330.C7.o1.gs	Method	GENSCAN
Start	1019	End	2687
GI	none	Score	.76
Exons	1019..1128, 1370..2687		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98784	Strand	+
Start	1	End	3404
Name	OJ000216_09.0330.C7.o3.np	Method	AAT/NAP
Start	2096	End	3404
GI	5777617	Score	84
Exons	2096..2150, 3307..3404		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98785	Strand	-
Start	1	End	286
Name	OJ000216_09.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	261
GI	5281020	Score	304
Exons	1..261		
GI Descrip.	(Z97339) ATP-dependent RNA helicase like protein [Arabidopsis thaliana]		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98785	Strand	-
Start	1	End	286
Name	OJ000216_09.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	25	End	267
GI	none	Score	105
Exons	25..237, 38..262, 46..267		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98785	Strand	-
Start	1	End	286
Name	OJ000216_09.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	30	End	247
GI	none	Score	253
Exons	30..122, 34..246, 38..247, 46..246		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98785	Strand	-

Start	1	End	286
Name	OJ000216_09.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	38	End	286
GI	none	Score	236
Exons	38..286, 38..283, 46..285		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98786	Strand	
Start	884	End	1027
Name	OJ000216_09.0330.C7.o3.tm	Method	TBLASTX:Maize
Start	884	End	1027
GI	none	Score	187
Exons	884..1027, 919..1011		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98787	Strand	
Start	1823	End	2339
Name	OJ000216_09.0330.C7.o2.tc	Method	TBLASTX:Cress
Start	1823	End	2339
GI	none	Score	194
Exons	1823..2053, 1887..2057, 2112..2204, 2238..2339		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98787	Strand	
Start	1823	End	2339
Name	OJ000216_09.0330.C7.o2.ts	Method	TBLASTX:Soybean
Start	1833	End	2189
GI	none	Score	177
Exons	1833..2060, 1886..2053, 2118..2189		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98787	Strand	
Start	1823	End	2339
Name	OJ000216_09.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	1893	End	2333
GI	none	Score	181
Exons	1893..2066, 1898..2065, 2118..2333, 2120..2227		

Seq. No.	46533	Seq. ID	OJ000216_09.0330.C7
Gene No.	98788	Strand	
Start	2355	End	2672
Name	OJ000216_09.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	2355	End	2672
GI	none	Score	81
Exons	2355..2444, 2363..2440, 2475..2672, 2475..2642, 2477..2671		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98789	Strand	+
Start	24	End	7952
Name	OJ000216_09.0330.C8.o1.gs	Method	GENSCAN
Start	24	End	7952
GI	none	Score	.72
Exons	24..200, 206..564, 739..875, 1101..1218, 2816..2888, 3126..3367, 3607..3728, 4172..4236, 4961..5602, 5838..6245, 6999..7952		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98789	Strand	+

Start	24	End	7952
Name	OJ000216_09.0330.C8.o2.np	Method	AAT/NAP
Start	7125	End	7951
GI	6503290	Score	987
Exons	7125..7951		
GI Descrip.	(AC011713) Similar to gb|U21855 CCR4-associated factor 1 (CAF1) from Mus musculus. ESTs gb|AAA394972, gb|AA585812 and gb|H77015 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98790	Strand	+
Start	8029	End	8371
Name	OJ000216_09.0330.C8.o2.gp	Method	AAT/GAP
Start	8029	End	8371
GI	4715326	Score	635
Exons	8029..8371		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98791	Strand	+
Start	25429	End	27313
Name	OJ000216_09.0330.C8.o4.gs	Method	GENSCAN
Start	25429	End	27313
GI	none	Score	.82
Exons	25429..25488, 27290..27313		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98792	Strand	+
Start	29365	End	29681
Name	OJ000216_09.0330.C8.o7.gp	Method	AAT/GAP
Start	29365	End	29681
GI	none	Score	550
Exons	29365..29681		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98793	Strand	-
Start	4862	End	8715
Name	OJ000216_09.0330.C8.o1.np	Method	AAT/NAP
Start	4862	End	8715
GI	1903347	Score	389
Exons	4862..5482, 8687..8715		
GI Descrip.	(AC000104) EST gb|ATTS5672 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98793	Strand	-
Start	4862	End	8715
Name	OJ000216_09.0330.C8.o1.gp	Method	AAT/GAP
Start	7716	End	8020
GI	3107363	Score	594
Exons	7716..8020		
GI Descrip.	4263711/gb|AAD15397| 5.0e-28 (AC006223) putative CCR4-associated transcription factor [Arabidopsis thaliana]		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98794	Strand	-
Start	10287	End	20590
Name	OJ000216_09.0330.C8.o2.gs	Method	GENSCAN

Start	10287	End	12124
GI	none	Score	.96
Exons	10287..11534, 11819..12124		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98794	Strand	-
Start	10287	End	20590
Name	OJ000216_09.0330.C8.o4.np	Method	AAT/NAP
Start	10388	End	16673
GI	6623883	Score	675
Exons	10388..10421, 13893..14357, 14954..15030, 15376..15604, 15635..15786, 16007..16159, 16547..16673		
GI Descrip.	(AC018722) putative two-component response regulator protein [Arabidopsis thaliana]		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98794	Strand	-
Start	10287	End	20590
Name	OJ000216_09.0330.C8.o3.gp	Method	AAT/GAP
Start	12623	End	13227
GI	3768839	Score	786
Exons	12623..12973, 13152..13227		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98794	Strand	-
Start	10287	End	20590
Name	OJ000216_09.0330.C8.o3.gs	Method	GENSCAN
Start	12902	End	20590
GI	none	Score	.57
Exons	12902..12973, 13152..14212, 15376..15786, 15832..15978, 16007..16159, 16596..16689, 16931..16964, 17295..17434, 19700..19841, 20553..20590		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98794	Strand	-
Start	10287	End	20590
Name	OJ000216_09.0330.C8.o4.gp	Method	AAT/GAP
Start	13214	End	13513
GI	2280643	Score	566
Exons	13214..13513		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98794	Strand	-
Start	10287	End	20590
Name	OJ000216_09.0330.C8.o5.gp	Method	AAT/GAP
Start	16660	End	17094
GI	569176	Score	744
Exons	16660..17094		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98795	Strand	-
Start	27985	End	28078
Name	OJ000216_09.0330.C8.o6.gp	Method	AAT/GAP
Start	27985	End	28078
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	27985..28078		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o2.tw	Method	TBLASTX:Wheat
Start	285	End	491
GI	none	Score	192
Exons	285..491, 294..485, 296..490		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o5.tm	Method	TBLASTX:Maize
Start	4871	End	5129
GI	none	Score	183
Exons	4871..5128, 4872..4985, 4916..5008, 5025..5129		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o4.tc	Method	TBLASTX:Cress
Start	4970	End	5294
GI	none	Score	69
Exons	4970..5122, 5034..5123, 5187..5294, 5198..5293		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o9.tm	Method	TBLASTX:Maize
Start	5190	End	5456
GI	none	Score	100
Exons	5190..5291, 5201..5290, 5369..5443, 5370..5456		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o5.ts	Method	TBLASTX:Soybean
Start	5204	End	5444
GI	none	Score	70
Exons	5204..5293, 5238..5291, 5375..5443, 5382..5444		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o1.tc	Method	TBLASTX:Cress
Start	7146	End	7935
GI	none	Score	264
Exons	7146..7250, 7161..7400, 7235..7285, 7416..7934, 7422..7916, 7672..7935		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	7146	End	7935

GI	none	Score	303
Exons	7146..7250, 7161..7400, 7232..7285, 7334..7399, 7416..7934, 7422..7916, 7424..7930, 7651..7935		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	7152	End	7610
GI	none	Score	392
Exons	7152..7250, 7161..7472, 7226..7468, 7430..7609, 7473..7610		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o3.tm	Method	TBLASTX:Maize
Start	7706	End	7953
GI	none	Score	420
Exons	7706..7951, 7707..7952, 7708..7953, 7708..7953		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o7.tm	Method	TBLASTX:Maize
Start	10290	End	10466
GI	none	Score	169
Exons	10290..10466, 10292..10465, 10293..10466		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o3.ts	Method	TBLASTX:Soybean
Start	10752	End	11282
GI	none	Score	215
Exons	10752..10859, 10881..11282		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o5.tc	Method	TBLASTX:Cress
Start	11013	End	11540
GI	none	Score	218
Exons	11013..11540		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o8.tm	Method	TBLASTX:Maize
Start	11031	End	11375
GI	none	Score	75
Exons	11031..11375, 11085..11282, 11160..11375		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	12819	End	14401

GI	none	Score	37
Exons	12819..12869, 12842..12931, 12903..12932, 12935..12991, 12936..12989, 13105..13251, 13152..13286, 13261..13326, 13365..13535, 13377..13532, 13421..13537, 13525..13812, 13528..13614, 13536..13814, 13651..13833, 13782..13904, 13783..13920, 13822..13920, 13913..14035, 13914..14033, 13918..14034, 13941..14036, 14043..14069, 14058..14171, 14067..14171, 14068..14172, 14170..14229, 14175..14279, 14178..14279, 14180..14293, 14182..14280, 14270..14401, 14271..14375, 14272..14376		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o3.tc	Method	TBLASTX:Cress
Start	14954	End	16644
GI	none	Score	68
Exons	14954..15028, 14960..15028, 15375..15464, 15377..15526, 15632..15787, 15666..15785, 15671..15787, 15999..16166, 16011..16154, 16548..16643, 16549..16644		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o6.tm	Method	TBLASTX:Maize
Start	15629	End	16653
GI	none	Score	205
Exons	15629..15787, 15630..15785, 15637..15786, 15999..16166, 16008..16148, 16538..16594, 16548..16643, 16548..16652, 16549..16653		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o4.ts	Method	TBLASTX:Soybean
Start	15659	End	16644
GI	none	Score	128
Exons	15659..15787, 15660..15785, 15999..16166, 16008..16154, 16548..16643, 16549..16644		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o1.tw	Method	TBLASTX:Wheat
Start	15981	End	16167
GI	none	Score	96
Exons	15981..16160, 16002..16145, 16003..16167		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o5.gs	Method	GENSCAN
Start	28828	End	31494
GI	none	Score	61
Exons	28828..28911, 28965..29198, 29872..30105, 30358..30405, 30498..30734, 31458..31494		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o4.tm	Method	TBLASTX:Maize
Start	29820	End	30738
GI	none	Score	61
Exons	29820..29876, 29824..29874, 29828..29875, 29893..30105, 29897..30109, 30357..30407, 30357..30407, 30358..30534, 30359..30412, 30486..30734, 30498..30737, 30499..30738, 30499..30738		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o5.np	Method	AAT/NAP
Start	29836	End	32411
GI	4337191	Score	659
Exons	29836..30105, 30358..30734, 31458..31508, 32360..32411		
GI Descrip.	(AC006403) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o2.ts	Method	TBLASTX:Soybean
Start	29881	End	31508
GI	none	Score	125
Exons	29881..30105, 29930..30109, 30358..30534, 30359..30406, 30486..30728, 30498..30737, 30505..30735, 31458..31508		

Seq. No.	46534	Seq. ID	OJ000216_09.0330.C8
Gene No.	98796	Strand	-
Start	28828	End	32411
Name	OJ000216_09.0330.C8.o2.tc	Method	TBLASTX:Cress
Start	29915	End	31508
GI	none	Score	134
Exons	29915..30052, 29918..30043, 29938..30072, 30040..30105, 30349..30408, 30371..30406, 30498..30737, 30505..30738, 31458..31508		

Seq. No.	46535	Seq. ID	OJ000216_09.0330.C9
Gene No.	98797	Strand	+
Start	794	End	909
Name	OJ000216_09.0330.C9.o2.np	Method	AAT/NAP
Start	794	End	909
GI	5777617	Score	97
Exons	794..909		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46535	Seq. ID	OJ000216_09.0330.C9
Gene No.	98798	Strand	-
Start	1	End	1051
Name	OJ000216_09.0330.C9.o1.np	Method	AAT/NAP
Start	1	End	1051
GI	2459436	Score	115
Exons	1..305, 1016..1051		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	46535	Seq. ID	OJ000216_09.0330.C9
Gene No.	98798	Strand	-
Start	1	End	1051
Name	OJ000216_09.0330.C9.o1.gs	Method	GENSCAN
Start	62	End	517
GI	none	Score	.92
Exons	62..517		

Seq. No.	46536	Seq. ID	OJ000216_03.0330.C1
Gene No.	98799	Strand	+
Start	703	End	3135
Name	OJ000216_03.0330.C1.o1.gs	Method	GENSCAN
Start	703	End	3135
GI	none	Score	.7
Exons	703..888, 2713..2928, 3082..3135		

Seq. No.	46536	Seq. ID	OJ000216_03.0330.C1
Gene No.	98800	Strand	-
Start	4299	End	6551
Name	OJ000216_03.0330.C1.o2.gs	Method	GENSCAN
Start	4299	End	6551
GI	none	Score	.62
Exons	4299..4411, 5059..5178, 5210..5241, 5935..6064, 6245..6343, 6467..6551		

Seq. No.	46536	Seq. ID	OJ000216_03.0330.C1
Gene No.	98801	Strand	-
Start	7132	End	8038
Name	OJ000216_03.0330.C1.o1.np	Method	AAT/NAP
Start	7132	End	8038
GI	1174879	Score	127
Exons	7132..7195, 7880..8038		
GI Descrip.	URACIL-DNA GLYCOSYLASE (UDG) gi|1075425|pir||A64043 uracil-DNA glycosylase (EC 3.2.2.-) - Haemophilus influenzae (strain Rd KW20) gi|1572962|gb|AAC21696.1| (U32687) uracil DNA glycosylase (ung) [Haemophilus influenzae Rd]		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o2.tm	Method	TBLASTX:Maize
Start	279	End	1719
GI	none	Score	193
Exons	279..425, 279..410, 281..439, 1581..1718, 1582..1719, 1584..1718		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o1.gs	Method	GENSCAN
Start	329	End	3908
GI	none	Score	.92
Exons	329..401, 1595..2112, 2205..3113, 3193..3366, 3831..3908		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o1.gp	Method	AAT/GAP

Start	1821	End	2368
GI	none	Score	786
Exons	1821..2112, 2205..2368		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o1.np	Method	AAT/NAP
Start	2257	End	4025
GI	5834397	Score	82
Exons	2257..2315, 3885..4025		
GI Descrip.	(AF180757) apoptosis 3 protein inhibitor [Epiphyas postvittana nucleopolyhedrovirus]		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	2300	End	4027
GI	none	Score	1086
Exons	2300..3115, 2301..3110, 2302..3111, 2366..3115, 3191..3367, 3191..3367, 3192..3377, 3828..4025, 3828..4022, 3869..4027, 3875..4024		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o2.gp	Method	AAT/GAP
Start	2398	End	2953
GI	none	Score	1088
Exons	2398..2953		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o1.tc	Method	TBLASTX:Cress
Start	2448	End	2825
GI	none	Score	198
Exons	2448..2711, 2555..2689, 2742..2825, 2751..2825		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o1.tw	Method	TBLASTX:Wheat
Start	3183	End	3352
GI	none	Score	216
Exons	3183..3350, 3191..3352		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3
Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o1.ts	Method	TBLASTX:Soybean
Start	3191	End	3359
GI	none	Score	183
Exons	3191..3352, 3192..3359, 3199..3357		

Seq. No.	46537	Seq. ID	OJ000216_03.0330.C3

Gene No.	98802	Strand	+
Start	329	End	4222
Name	OJ000216_03.0330.C3.o3.gp	Method	AAT/GAP
Start	3243	End	4222
GI	none	Score	957
Exons	3243..3366, 3831..4222		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98803	Strand	+
Start	1682	End	3493
Name	OJ000216_03.0330.C4.o1.gs	Method	GENSCAN
Start	1682	End	3493
GI	none	Score	.84
Exons	1682..2415, 2526..2709, 2852..3493		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98803	Strand	+
Start	1682	End	3493
Name	OJ000216_03.0330.C4.o1.gp	Method	AAT/GAP
Start	1756	End	2230
GI	none	Score	668
Exons	1756..2059, 2159..2230		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98804	Strand	-
Start	4267	End	8129
Name	OJ000216_03.0330.C4.o2.gp	Method	AAT/GAP
Start	3836	End	4899
GI	85238_1.R1084	Score	1368
Exons	3836..4396, 4617..4676, 4793..4899		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 1.0e-26 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98804	Strand	-
Start	4267	End	8129
Name	OJ000216_03.0330.C4.o1.np	Method	AAT/NAP
Start	4267	End	8024
GI	7295549	Score	2108
Exons	4267..4396, 4617..4676, 4793..4915, 5046..5493, 5891..6416, 7178..8024		
GI Descrip.	(AE003569) CG1518 gene product [Drosophila melanogaster]		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98804	Strand	-
Start	4267	End	8129
Name	OJ000216_03.0330.C4.o2.gs	Method	GENSCAN
Start	4267	End	8041
GI	none	Score	.75
Exons	4267..4396, 4617..4676, 4793..4915, 5046..5500, 5883..6416, 7178..8041		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98804	Strand	-

Start	4267	End	8129
Name	OJ000216_03.0330.C4.o3.gp	Method	AAT/GAP
Start	5096	End	6039
GI	25409_1.R1084	Score	1104
Exons	5096..5500, 5883..6039		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 2.0e-54 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98804	Strand	-
Start	4267	End	8129
Name	OJ000216_03.0330.C4.o4.gp	Method	AAT/GAP
Start	6012	End	6417
GI	3768146	Score	775
Exons	6012..6417		
GI Descrip.	1174470/sp|P46978|STT3_MOUSE 2.0e-33 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98804	Strand	-
Start	4267	End	8129
Name	OJ000216_03.0330.C4.o5.gp	Method	AAT/GAP
Start	7701	End	8129
GI	44718_1.R1084	Score	780
Exons	7701..8129		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 2.0e-33 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98805	Strand	-
Start	10513	End	12135
Name	OJ000216_03.0330.C4.o3.gs	Method	GENSCAN
Start	10513	End	12135
GI	none	Score	.98
Exons	10513..12135		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98806	Strand	-
Start	13284	End	13897
Name	OJ000216_03.0330.C4.o4.gs	Method	GENSCAN
Start	13284	End	13897
GI	none	Score	.88
Exons	13284..13676, 13767..13897		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o2.tm	Method	TBLASTX:Maize

Start	1859	End	2667
GI	none	Score	202
Exons	1859..1984, 1871..1897, 1909..1983, 1975..2061, 1976..2095, 2156..2416, 2158..2415, 2222..2416, 2505..2666, 2512..2667		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o2.tc	Method	TBLASTX:Cress
Start	1862	End	2709
GI	none	Score	265
Exons	1862..2095, 1915..2010, 2156..2416, 2158..2415, 2472..2657, 2512..2709		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o4.ts	Method	TBLASTX:Soybean
Start	1868	End	2236
GI	none	Score	254
Exons	1868..2059, 1915..2010, 2156..2236, 2158..2235		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o5.ts	Method	TBLASTX:Soybean
Start	2303	End	2929
GI	none	Score	139
Exons	2303..2416, 2305..2415, 2505..2675, 2512..2691, 2842..2928, 2888..2929		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	3888	End	7466
GI	none	Score	90
Exons	3888..4010, 3924..4004, 4094..4126, 4095..4127, 4262..4396, 4262..4390, 4264..4395, 4612..4674, 4613..4675, 4613..4675, 4614..4679, 4789..4914, 4790..4930, 4792..4920, 5038..5154, 5043..5501, 5044..5502, 5045..5503, 5881..6126, 5887..6402, 5922..6446, 7170..7466, 7172..7465		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o6.tc	Method	TBLASTX:Cress
Start	4268	End	4678
GI	none	Score	127
Exons	4268..4387, 4271..4396, 4273..4395, 4613..4651, 4614..4655, 4652..4678		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o7.ts	Method	TBLASTX:Soybean
Start	4273	End	4827

GI	none	Score	149
Exons	4273..4395, 4274..4396, 4613..4675, 4614..4679, 4790..4825, 4792..4827		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o3.tc	Method	TBLASTX:Cress
Start	4804	End	5245
GI	none	Score	156
Exons	4804..4920, 4805..4930, 4826..4936, 5028..5243, 5044..5241, 5045..5245		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o3.ts	Method	TBLASTX:Soybean
Start	4828	End	5257
GI	none	Score	105
Exons	4828..4920, 4829..4930, 5045..5077, 5081..5257, 5157..5255		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o2.ts	Method	TBLASTX:Soybean
Start	5258	End	6269
GI	none	Score	233
Exons	5258..5503, 5259..5501, 5260..5529, 5272..5502, 5910..6266, 5911..6126, 5922..6269, 5977..6267		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o4.tc	Method	TBLASTX:Cress
Start	5946	End	6293
GI	none	Score	138
Exons	5946..6293, 5980..6252, 5988..6272		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	7181	End	7999
GI	none	Score	293
Exons	7181..7492, 7181..7999, 7185..7907, 7778..7933		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	7323	End	7963
GI	none	Score	144
Exons	7323..7574, 7361..7549, 7616..7963, 7728..7907		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382

Name	OJ000216_03.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	7727	End	7945
GI	none	Score	153
Exons	7727..7945, 7728..7907, 7778..7927		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o3.tm	Method	TBLASTX:Maize
Start	7730	End	7999
GI	none	Score	252
Exons	7730..7999, 7731..7907, 7778..7933		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o6.ts	Method	TBLASTX:Soybean
Start	10579	End	11682
GI	none	Score	63
Exons	10579..10698, 10624..10692, 10756..10959, 10954..11130, 11026..11418, 11210..11422, 11233..11517, 11239..11634, 11240..11452, 11317..11682, 11324..11461		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o4.tm	Method	TBLASTX:Maize
Start	10585	End	11682
GI	none	Score	65
Exons	10585..10686, 10753..10950, 10762..10851, 10948..11130, 10972..11346, 11050..11451, 11230..11577, 11231..11374, 11305..11664, 11368..11682, 11470..11682, 11575..11625		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o5.tc	Method	TBLASTX:Cress
Start	10744	End	11664
GI	none	Score	47
Exons	10744..10932, 10756..10932, 10798..10950, 10888..10953, 10954..11100, 10972..11169, 10979..11125, 10984..11133, 11002..11133, 11083..11262, 11098..11454, 11209..11394, 11212..11544, 11231..11452, 11284..11505, 11311..11661, 11407..11637, 11416..11664		

Seq. No.	46538	Seq. ID	OJ000216_03.0330.C4
Gene No.	98807	Strand	-
Start	14030	End	14382
Name	OJ000216_03.0330.C4.o4.np	Method	AAT/NAP
Start	14030	End	14382
GI	7339707	Score	131
Exons	14030..14187, 14265..14382		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46539	Seq. ID	OJ000216_03.0330.C5
Gene No.	98808	Strand	+
Start	1	End	331

Name	OJ000216_03.0330.C5.o1.np	Method	AAT/NAP
Start	1	End	331
GI	7339707	Score	162
Exons	1..106, 183..331		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46539	Seq. ID	OJ000216_03.0330.C5
Gene No.	98808	Strand	+
Start	1	End	331
Name	OJ000216_03.0330.C5.o1.gs	Method	GENSCAN
Start	183	End	234
GI	none	Score	.66
Exons	183..234		

Seq. No.	46539	Seq. ID	OJ000216_03.0330.C5
Gene No.	98809	Strand	-
Start	2662	End	2746
Name	OJ000216_03.0330.C5.o2.gs	Method	GENSCAN
Start	2662	End	2746
GI	none	Score	.94
Exons	2662..2746		

Seq. No.	46540	Seq. ID	OJ000216_03.0330.C6
Gene No.	98810	Strand	-
Start	9	End	617
Name	OJ000216_03.0330.C6.o1.gs	Method	GENSCAN
Start	9	End	617
GI	none	Score	.65
Exons	9..617		

Seq. No.	46540	Seq. ID	OJ000216_03.0330.C6
Gene No.	98811	Strand	-
Start	2635	End	4401
Name	OJ000216_03.0330.C6.o2.gs	Method	GENSCAN
Start	2635	End	4401
GI	none	Score	.89
Exons	2635..2719, 2812..3005, 3099..3839, 4111..4236, 4306..4401		

Seq. No.	46540	Seq. ID	OJ000216_03.0330.C6
Gene No.	98811	Strand	-
Start	2635	End	4401
Name	OJ000216_03.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	2667	End	3296
GI	none	Score	82
Exons	2667..2726, 2668..2721, 2806..3006, 2814..2969, 2820..3032, 2836..3042, 3099..3296, 3099..3290, 3107..3292		

Seq. No.	46540	Seq. ID	OJ000216_03.0330.C6
Gene No.	98811	Strand	-
Start	2635	End	4401
Name	OJ000216_03.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	3459	End	3711
GI	none	Score	77
Exons	3459..3554, 3459..3554, 3460..3555, 3461..3559, 3561..3704, 3565..3705, 3565..3711		

Seq. No.	46541	Seq. ID	OJ000216_03.0330.C7

Gene No.	98812	Strand	+
Start	89	End	1453
Name	OJ000216_03.0330.C7.o1.gs	Method	GENSCAN
Start	89	End	1453
GI	none	Score	.95
Exons	89..1453		

Seq. No.	46541	Seq. ID	OJ000216_03.0330.C7
Gene No.	98812	Strand	+
Start	89	End	1453
Name	OJ000216_03.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	607	End	854
GI	none	Score	391
Exons	607..789, 608..853, 612..854		

Seq. No.	46542	Seq. ID	OJ000216_03.0330.C8
Gene No.	98813	Strand	
Start	84	End	217
Name	OJ000216_03.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	84	End	217
GI	none	Score	203
Exons	84..215, 85..216, 89..217		

Seq. No.	46542	Seq. ID	OJ000216_03.0330.C8
Gene No.	98814	Strand	
Start	393	End	731
Name	OJ000216_03.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	393	End	731
GI	none	Score	97
Exons	393..512, 393..512, 394..585, 655..729, 656..730	395..514, 605..634, 648..731,	

Seq. No.	46543	Seq. ID	OJ000216_03.0330.C15
Gene No.	98815	Strand	+
Start	626	End	1290
Name	OJ000216_03.0330.C15.o1.gs	Method	GENSCAN
Start	626	End	1290
GI	none	Score	.91
Exons	626..639, 1200..1290		

Seq. No.	46544	Seq. ID	OJ000216_03.0330.C16
Gene No.	98816	Strand	+
Start	322	End	2345
Name	OJ000216_03.0330.C16.o1.gp	Method	AAT/GAP
Start	322	End	2345
GI	uC-osrocyp031e01b1	Score	520
Exons	322..446, 2128..2345		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	46544	Seq. ID	OJ000216_03.0330.C16
Gene No.	98817	Strand	-
Start	1642	End	2165
Name	OJ000216_03.0330.C16.o2.gs	Method	GENSCAN
Start	1642	End	2165
GI	none	Score	.63
Exons	1642..1650, 2040..2165		

Seq. No.	46545	Seq. ID	OJ000216_03.0330.C18
Gene No.	98818	Strand	+
Start	56	End	1028
Name	OJ000216_03.0330.C18.o1.tm	Method	TBLASTX:Maize
Start	41	End	912
GI	none	Score	133
Exons	41..145, 42..146, 43..147, 44..148, 252..710, 256..660, 347..715, 350..664, 793..912, 795..908, 802..912		

Seq. No.	46545	Seq. ID	OJ000216_03.0330.C18
Gene No.	98818	Strand	+
Start	56	End	1028
Name	OJ000216_03.0330.C18.o1.gs	Method	GENSCAN
Start	56	End	1028
GI	none	Score	.96
Exons	56..710, 861..1028		

Seq. No.	46546	Seq. ID	OJ000216_03.0330.C19
Gene No.	98819	Strand	+
Start	674	End	735
Name	OJ000216_03.0330.C19.o1.gs	Method	GENSCAN
Start	674	End	735
GI	none	Score	.88
Exons	674..735		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o1.np	Method	AAT/NAP
Start	1	End	1243
GI	4090943	Score	815
Exons	1..175, 268..423, 516..614, 883..987, 1063..1243		
GI Descrip.	(AF029984) COP1 homolog [Lycopersicon esculentum]		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o1.tc	Method	TBLASTX:Cress
Start	93	End	616
GI	none	Score	95
Exons	93..170, 253..423, 273..416, 516..611, 533..616		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o1.ts	Method	TBLASTX:Soybean
Start	93	End	1092
GI	none	Score	106
Exons	93..170, 95..181, 267..422, 268..423, 508..615, 509..598, 509..616, 514..615, 516..617, 868..987, 869..988, 877..1002, 882..1001, 1057..1092		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o2.tm	Method	TBLASTX:Maize

Start	93	End	429
GI	none	Score	95
Exons	93..170, 268..429, 297..407		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o1.gs	Method	GENSCAN
Start	268	End	1062
GI	none	Score	.71
Exons	268..423, 516..633, 801..882, 1046..1062		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o1.gp	Method	AAT/GAP
Start	500	End	1243
GI	2310219	Score	714
Exons	500..614, 883..987, 1063..1243		
GI Descrip.	2702280 7.0e-63 (AC003033) photomorphogenesis repressor COP1 [Arabidopsis thaliana]		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o1.tm	Method	TBLASTX:Maize
Start	512	End	1242
GI	none	Score	132
Exons	512..616, 512..616, 513..617, 513..617, 877..1002, 877..987, 882..1001, 1062..1241, 1063..1242		

Seq. No.	46547	Seq. ID	OJ000216_03.0330.C21
Gene No.	98820	Strand	+
Start	1	End	1243
Name	OJ000216_03.0330.C21.o2.ts	Method	TBLASTX:Soybean
Start	1093	End	1242
GI	none	Score	196
Exons	1093..1242, 1095..1241		

Seq. No.	46548	Seq. ID	OJ000216_03.0330.C24
Gene No.	98821	Strand	-
Start	1	End	829
Name	OJ000216_03.0330.C24.o1.np	Method	AAT/NAP
Start	1	End	829
GI	4090943	Score	215
Exons	1..113, 728..829		
GI Descrip.	(AF029984) COP1 homolog [Lycopersicon esculentum]		

Seq. No.	46549	Seq. ID	OJ000216_03.0330.C25
Gene No.	98822	Strand	+
Start	573	End	845
Name	OJ000216_03.0330.C25.o1.gs	Method	GENSCAN
Start	573	End	845
GI	none	Score	.78
Exons	573..845		

Seq. No.	46549	Seq. ID	OJ000216_03.0330.C25

Gene No.	98823	Strand	-
Start	1849	End	2478
Name	OJ000216_03.0330.C25.o2.gs	Method	GENSCAN
Start	1849	End	2393
GI	none	Score	.57
Exons	1849..1917, 2199..2393		

Seq. No.	46549	Seq. ID	OJ000216_03.0330.C25
Gene No.	98823	Strand	-
Start	1849	End	2478
Name	OJ000216_03.0330.C25.o1.tm	Method	TBLASTX:Maize
Start	2157	End	2415
GI	none	Score	162
Exons	2157..2408, 2199..2414, 2227..2415		

Seq. No.	46549	Seq. ID	OJ000216_03.0330.C25
Gene No.	98823	Strand	-
Start	1849	End	2478
Name	OJ000216_03.0330.C25.o1.gp	Method	AAT/GAP
Start	2159	End	2478
GI	LIB3434-037-P1-K1-B12	Score	605
Exons	2159..2478		
GI Descrip.	'1174470/sp|P46978|STT3_MOUSE 2.0e-33 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf__2208301A integral membrane protein [Mus musculus]'		

Seq. No.	46550	Seq. ID	OJ000216_03.0330.C26
Gene No.	98824	Strand	-
Start	58	End	552
Name	OJ000216_03.0330.C26.o1.tw	Method	TBLASTX:Wheat
Start	14	End	355
GI	none	Score	188
Exons	14..205, 26..205, 28..207, 31..207, 300..353, 302..355, 308..352		

Seq. No.	46550	Seq. ID	OJ000216_03.0330.C26
Gene No.	98824	Strand	-
Start	58	End	552
Name	OJ000216_03.0330.C26.o1.ts	Method	TBLASTX:Soybean
Start	49	End	498
GI	none	Score	147
Exons	49..207, 107..205, 308..352, 382..498, 433..486		

Seq. No.	46550	Seq. ID	OJ000216_03.0330.C26
Gene No.	98824	Strand	-
Start	58	End	552
Name	OJ000216_03.0330.C26.o1.tm	Method	TBLASTX:Maize
Start	53	End	523
GI	none	Score	166
Exons	53..205, 53..205, 54..206, 55..228, 55..207, 300..353, 308..352, 433..486, 440..523		

Seq. No.	46550	Seq. ID	OJ000216_03.0330.C26
Gene No.	98824	Strand	-
Start	58	End	552
Name	OJ000216_03.0330.C26.o1.np	Method	AAT/NAP

Start	58	End	552
GI	7489777	Score	324
Exons	58..204, 308..351, 438..552		
GI Descrip.	hypoxically induced protein 2 - maize (fragment) gi|3264600|gb|AAC24571.1| (AF057522) hypoxically induced transcript 2 [Zea mays]		

Seq. No.	46550	Seq. ID	OJ000216_03.0330.C26
Gene No.	98824	Strand	-
Start	58	End	552
Name	OJ000216_03.0330.C26.o1.gs	Method	GENSCAN
Start	95	End	419
GI	none	Score	.68
Exons	95..204, 308..419		

Seq. No.	46551	Seq. ID	OJ000216_03.0330.C28
Gene No.	98825	Strand	+
Start	251	End	2933
Name	OJ000216_03.0330.C28.o1.np	Method	AAT/NAP
Start	251	End	2744
GI	7435895	Score	662
Exons	251..437, 754..809, 935..1007, 1192..1303, 1703..1776, 1992..2066, 2616..2744		
GI Descrip.	multicatalytic endopeptidase complex (EC 3.4.99.46) beta chain - Arabidopsis thaliana gi|2511594|emb|CAA74028.1| (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|2827525|emb|CAA16533.1| (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|3421099|gb|AAC32065.1		

Seq. No.	46551	Seq. ID	OJ000216_03.0330.C28
Gene No.	98825	Strand	+
Start	251	End	2933
Name	OJ000216_03.0330.C28.o1.tm	Method	TBLASTX:Maize
Start	359	End	2809
GI	none	Score	134
Exons	359..436, 360..443, 361..438, 746..808, 753..809, 754..810, 932..1006, 935..1006, 936..1007, 936..1070, 1189..1305, 1191..1304, 1679..1768, 1693..1776, 1701..1775, 1702..1779, 1991..2074, 1991..2074, 2615..2740, 2615..2740, 2616..2744, 2616..2744, 2780..2809		

Seq. No.	46551	Seq. ID	OJ000216_03.0330.C28
Gene No.	98825	Strand	+
Start	251	End	2933
Name	OJ000216_03.0330.C28.o1.gp	Method	AAT/GAP
Start	361	End	1019
GI	7094_1.R1084	Score	333
Exons	361..437, 754..809, 935..1019		
GI Descrip.	'3024440/sp|P93395|PRCD_TOBAC 2.0e-37 PROTEASOME DELTA CHAIN PRECURSOR (MULTICATALYTIC ENDOPEPTIDASE COMPLEX DELTA CHAIN) >gi_1743356_emb_CAA70699_ (Y09505) proteasome delta subunit [Nicotiana tabacum]'		

Seq. No.	46551	Seq. ID	OJ000216_03.0330.C28
Gene No.	98825	Strand	+

Start	251	End	2933
Name	OJ000216_03.0330.C28.o1.gs	Method	GENSCAN
Start	361	End	2066
GI	none	Score	.93
Exons	361..437, 754..809, 935..1007, 1192..1303, 1703..1776, 1992..2066		

Seq. No.	46551	Seq. ID	OJ000216_03.0330.C28
Gene No.	98825	Strand	+
Start	251	End	2933
Name	OJ000216_03.0330.C28.o1.tw	Method	TBLASTX:Wheat
Start	375	End	1757
GI	none	Score	84
Exons	375..443, 375..437, 753..809, 754..810, 909..1007, 936..1007, 1189..1305, 1194..1304, 1693..1755, 1701..1757		

Seq. No.	46551	Seq. ID	OJ000216_03.0330.C28
Gene No.	98825	Strand	+
Start	251	End	2933
Name	OJ000216_03.0330.C28.o2.gp	Method	AAT/GAP
Start	1212	End	2933
GI	3678_1.R1084	Score	997
Exons	1212..1303, 1703..1776, 1992..2066, 2616..2933		
GI Descrip.	'2511594/emb|CAA74028.1| 3.0e-35 (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_2827525_emb_CAA16533.1_ (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_3421099 (AF043529) 20S proteasome subunit PBA1 [Arabidopsis thaliana]'		

Seq. No.	46551	Seq. ID	OJ000216_03.0330.C28
Gene No.	98825	Strand	+
Start	251	End	2933
Name	OJ000216_03.0330.C28.o1.tc	Method	TBLASTX:Cress
Start	1717	End	2760
GI	none	Score	65
Exons	1717..1776, 1989..2075, 1994..2071, 2615..2752, 2616..2753, 2620..2760		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98826	Strand	+
Start	1	End	973
Name	OJ000216_03.0330.C29.o1.np	Method	AAT/NAP
Start	1	End	973
GI	4586036	Score	737
Exons	1..973		
GI Descrip.	(AC007109) unknown protein [Arabidopsis thaliana]		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98826	Strand	+
Start	1	End	973
Name	OJ000216_03.0330.C29.o1.gs	Method	GENSCAN
Start	67	End	972
GI	none	Score	.98
Exons	67..972		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29

Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o1.tw	Method	TBLASTX:Wheat
Start	1	End	521
GI	none	Score	92
Exons	1..129, 46..519, 81..278, 312..521		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o3.ts	Method	TBLASTX:Soybean
Start	1	End	372
GI	none	Score	116
Exons	1..192, 15..161, 205..357, 208..357, 286..372		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o1.tc	Method	TBLASTX:Cress
Start	4	End	942
GI	none	Score	81
Exons	4..153, 307..942, 471..647, 744..911		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o1.tm	Method	TBLASTX:Maize
Start	16	End	927
GI	none	Score	167
Exons	16..327, 39..644, 63..383, 76..417, 82..927		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o1.ts	Method	TBLASTX:Soybean
Start	376	End	912
GI	none	Score	399
Exons	376..912, 729..911		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o2.gs	Method	GENSCAN
Start	1845	End	4559
GI	none	Score	.77
Exons	1845..2024, 2392..2496, 2793..2852, 2939..3014, 3140..3216, 3482..3544, 3655..3739, 4285..4559		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o2.tc	Method	TBLASTX:Cress
Start	1848	End	4359
GI	none	Score	89
Exons	1848..2018, 1869..1961, 1870..2019, 2377..2469, 2395..2478, 2780..2824, 2788..2865, 2790..2870, 2790..2867, 2940..3017, 2942..3025, 2943..3038, 2945..3022, 3133..3300, 3164..3298,		

3482..3544, 3658..3738, 4287..4355, 4297..4359

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o2.np	Method	AAT/NAP
Start	1929	End	4628
GI	2342692	Score	234
Exons	1929..1996, 2358..2462, 2719..2861, 2939..3014, 3140..3326, 3450..3544, 3655..3742, 4285..4349, 4605..4628		
GI Descrip.	(AC000106) Similar to Nicotiana protein kinase (gb|D26601). [Arabidopsis thaliana]		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o2.tm	Method	TBLASTX:Maize
Start	2936	End	4421
GI	none	Score	93
Exons	2936..3022, 2940..3023, 3131..3298, 3133..3300, 3148..3300, 3463..3546, 3482..3547, 3650..3724, 3658..3738, 4284..4421, 4285..4383		

Seq. No.	46552	Seq. ID	OJ000216_03.0330.C29
Gene No.	98827	Strand	-
Start	1845	End	4628
Name	OJ000216_03.0330.C29.o2.ts	Method	TBLASTX:Soybean
Start	2963	End	3535
GI	none	Score	74
Exons	2963..3022, 2964..3023, 3133..3315, 3152..3298, 3485..3535		

Seq. No.	46553	Seq. ID	OJ000216_03.0330.C30
Gene No.	98828	Strand	-
Start	56	End	358
Name	OJ000216_03.0330.C30.o1.gs	Method	GENSCAN
Start	56	End	358
GI	none	Score	.82
Exons	56..358		

Seq. No.	46553	Seq. ID	OJ000216_03.0330.C30
Gene No.	98829	Strand	-
Start	387	End	1708
Name	OJ000216_03.0330.C30.o1.np	Method	AAT/NAP
Start	387	End	1510
GI	3688209	Score	191
Exons	387..449, 1165..1317, 1392..1510		
GI Descrip.	(AJ010093) MAP3K beta 1 protein kinase [Brassica napus]		

Seq. No.	46553	Seq. ID	OJ000216_03.0330.C30
Gene No.	98829	Strand	-
Start	387	End	1708
Name	OJ000216_03.0330.C30.o2.gs	Method	GENSCAN
Start	1147	End	1708
GI	none	Score	.53
Exons	1147..1317, 1392..1496, 1661..1708		

Seq. No.	46553	Seq. ID	OJ000216_03.0330.C30

Gene No.	98829	Strand	-
Start	387	End	1708
Name	OJ000216_03.0330.C30.o1.tc	Method	TBLASTX:Cress
Start	1153	End	1478
GI	none	Score	75
Exons	1153..1317, 1154..1300, 1401..1478, 1402..1476		

Seq. No.	46553	Seq. ID	OJ000216_03.0330.C30
Gene No.	98829	Strand	-
Start	387	End	1708
Name	OJ000216_03.0330.C30.o1.tm	Method	TBLASTX:Maize
Start	1159	End	1485
GI	none	Score	77
Exons	1159..1314, 1385..1477, 1386..1478, 1402..1485, 1405..1479		

Seq. No.	46553	Seq. ID	OJ000216_03.0330.C30
Gene No.	98829	Strand	-
Start	387	End	1708
Name	OJ000216_03.0330.C30.o1.ts	Method	TBLASTX:Soybean
Start	1159	End	1478
GI	none	Score	60
Exons	1159..1317, 1401..1478, 1423..1476		

Seq. No.	46554	Seq. ID	OJ000216_03.0330.C31
Gene No.	98830	Strand	-
Start	1	End	3453
Name	OJ000216_03.0330.C31.o1.np	Method	AAT/NAP
Start	1	End	3148
GI	3688193	Score	216
Exons	1..111, 295..453, 599..661, 826..910, 1073..1248, 3089..3148		
GI Descrip.	(AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]		

Seq. No.	46554	Seq. ID	OJ000216_03.0330.C31
Gene No.	98830	Strand	-
Start	1	End	3453
Name	OJ000216_03.0330.C31.o1.gs	Method	GENSCAN
Start	307	End	3453
GI	none	Score	.75
Exons	307..453, 826..910, 1077..1481, 2159..2187, 2773..2832, 3012..3158, 3368..3453		

Seq. No.	46555	Seq. ID	OJ000216_03.0330.C32
Gene No.	98831	Strand	-
Start	880	End	1455
Name	OJ000216_03.0330.C32.o1.tm	Method	TBLASTX:Maize
Start	846	End	1190
GI	none	Score	128
Exons	846..1076, 846..1190, 907..1182, 1109..1186		

Seq. No.	46555	Seq. ID	OJ000216_03.0330.C32
Gene No.	98831	Strand	-
Start	880	End	1455
Name	OJ000216_03.0330.C32.o1.ts	Method	TBLASTX:Soybean
Start	864	End	1190
GI	none	Score	107
Exons	864..1088, 1095..1190		

Seq. No.	46555	Seq. ID	OJ000216_03.0330.C32
Gene No.	98831	Strand	-
Start	880	End	1455
Name	OJ000216_03.0330.C32.o1.np	Method	AAT/NAP
Start	880	End	1455
GI	7487888	Score	343
Exons	880..1183, 1269..1455		
GI Descrip.	hypothetical protein T9J22.30 - Arabidopsis thaliana gi|2739387|gb|AAC14510.1| (AC002505) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	46555	Seq. ID	OJ000216_03.0330.C32
Gene No.	98831	Strand	-
Start	880	End	1455
Name	OJ000216_03.0330.C32.o1.tw	Method	TBLASTX:Wheat
Start	948	End	1455
GI	none	Score	63
Exons	948..1082, 1098..1184, 1099..1185, 1306..1455, 1310..1408		

Seq. No.	46556	Seq. ID	OJ000216_03.0330.C33
Gene No.	98832	Strand	-
Start	49	End	910
Name	OJ000216_03.0330.C33.o1.gs	Method	GENSCAN
Start	49	End	910
GI	none	Score	.96
Exons	49..160, 440..910		

Seq. No.	46556	Seq. ID	OJ000216_03.0330.C33
Gene No.	98832	Strand	-
Start	49	End	910
Name	OJ000216_03.0330.C33.o1.tm	Method	TBLASTX:Maize
Start	395	End	661
GI	none	Score	149
Exons	395..661, 396..596, 419..661		

Seq. No.	46557	Seq. ID	OJ000216_03.0330.C35
Gene No.	98833	Strand	-
Start	1	End	918
Name	OJ000216_03.0330.C35.o1.np	Method	AAT/NAP
Start	1	End	915
GI	7486567	Score	169
Exons	1..107, 197..347, 396..762, 821..915		
GI Descrip.	hypothetical protein F7H19.150 - Arabidopsis thaliana gi|3292822|emb|CAA19812.1| (AL031018) putative protein [Arabidopsis thaliana] gi|7269144|emb|CAB79252.1| (AL161558) putative protein [Arabidopsis thaliana]		

Seq. No.	46557	Seq. ID	OJ000216_03.0330.C35
Gene No.	98833	Strand	-
Start	1	End	918
Name	OJ000216_03.0330.C35.o1.gs	Method	GENSCAN
Start	193	End	918
GI	none	Score	.6
Exons	193..918		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98834	Strand	+

Start	1	End	471
Name	OJ000216_03.0330.C36.o1.gp	Method	AAT/GAP
Start	1	End	471
GI	2347_1.R1084	Score	927
Exons	1..471		
GI Descrip.	'128191/sp|P27968|NIA7_HORVU 2.0e-35 NITRATE REDUCTASE [NAD(P)H] >gi_66210_pir__RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley >gi_19065_emb_CAA42739_ (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]'		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o1.gs	Method	GENSCAN
Start	235	End	1565
GI	none	Score	.88
Exons	235..930, 1011..1565		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o1.ts	Method	TBLASTX:Soybean
Start	235	End	1578
GI	none	Score	105
Exons	235..414, 263..415, 421..459, 475..561, 476..562, 556..975, 574..870, 587..970, 978..1025, 1104..1577, 1125..1313, 1135..1578, 1426..1578		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o1.tc	Method	TBLASTX:Cress
Start	235	End	1541
GI	none	Score	77
Exons	235..348, 266..349, 349..417, 350..430, 436..561, 437..562, 553..975, 554..970, 978..1031, 1107..1541, 1117..1539		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o1.np	Method	AAT/NAP
Start	238	End	1580
GI	128191	Score	2027
Exons	238..1580		
GI Descrip.	NITRATE REDUCTASE [NAD(P)H] gi|66210|pir||RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley gi|19065|emb|CAA42739| (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o2.tm	Method	TBLASTX:Maize
Start	359	End	624
GI	none	Score	213
Exons	359..619, 361..624		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36

Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o1.tm	Method	TBLASTX:Maize
Start	625	End	1406
GI	none	Score	256
Exons	625..993, 625..993, 978..1031, 1107..1361, 1122..1334, 1129..1365, 1371..1406, 1372..1401, 1373..1402		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o2.gp	Method	AAT/GAP
Start	781	End	1233
GI	9204_1.R1084	Score	828
Exons	781..1233		
GI Descrip.	'128191/sp|P27968|NIA7_HORVU 4.0e-57 NITRATE REDUCTASE [NAD(P)H] >gi_66210_pir__RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley >gi_19065_emb_CAA42739_ (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]'		

Seq. No.	46558	Seq. ID	OJ000216_03.0330.C36
Gene No.	98835	Strand	-
Start	235	End	1580
Name	OJ000216_03.0330.C36.o1.tw	Method	TBLASTX:Wheat
Start	1383	End	1577
GI	none	Score	218
Exons	1383..1577, 1384..1572		

Seq. No.	46559	Seq. ID	OJ000216_03.0330.C37
Gene No.	98836	Strand	-
Start	1	End	1336
Name	OJ000216_03.0330.C37.o1.np	Method	AAT/NAP
Start	1	End	1336
GI	128191	Score	1616
Exons	1..276, 379..1336		
GI Descrip.	NITRATE REDUCTASE [NAD(P)H] gi|66210|pir||RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley gi|19065|emb|CAA42739| (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]		

Seq. No.	46559	Seq. ID	OJ000216_03.0330.C37
Gene No.	98836	Strand	-
Start	1	End	1336
Name	OJ000216_03.0330.C37.o1.tc	Method	TBLASTX:Cress
Start	133	End	1192
GI	none	Score	137
Exons	133..264, 134..265, 263..277, 380..1192, 405..698, 762..1151		

Seq. No.	46559	Seq. ID	OJ000216_03.0330.C37
Gene No.	98836	Strand	-
Start	1	End	1336
Name	OJ000216_03.0330.C37.o1.ts	Method	TBLASTX:Soybean
Start	133	End	1150
GI	none	Score	100
Exons	133..285, 133..264, 134..283, 380..1150, 405..698, 656..715, 762..1136		

Seq. No.	46559	Seq. ID	OJ000216_03.0330.C37

Gene No.	98836	Strand	-
Start	1	End	1336
Name	OJ000216_03.0330.C37.o1.gs	Method	GENSCAN
Start	135	End	1336
GI	none	Score	.7
Exons	135..276, 407..1336		

Seq. No.	46559	Seq. ID	OJ000216_03.0330.C37
Gene No.	98836	Strand	-
Start	1	End	1336
Name	OJ000216_03.0330.C37.o2.tm	Method	TBLASTX:Maize
Start	386	End	646
GI	none	Score	119
Exons	386..646, 468..611		

Seq. No.	46559	Seq. ID	OJ000216_03.0330.C37
Gene No.	98836	Strand	-
Start	1	End	1336
Name	OJ000216_03.0330.C37.o1.tm	Method	TBLASTX:Maize
Start	671	End	1001
GI	none	Score	46
Exons	671..718, 676..717, 677..781, 780..914, 788..1000, 789..1001		

Seq. No.	46560	Seq. ID	OJ000216_03.0330.C38
Gene No.	98837	Strand	+
Start	1279	End	1482
Name	OJ000216_03.0330.C38.o1.gs	Method	GENSCAN
Start	1279	End	1482
GI	none	Score	.83
Exons	1279..1482		

Seq. No.	46560	Seq. ID	OJ000216_03.0330.C38
Gene No.	98838	Strand	+
Start	3886	End	4633
Name	OJ000216_03.0330.C38.o1.np	Method	AAT/NAP
Start	3886	End	4633
GI	6907088	Score	558
Exons	3886..4023, 4199..4633		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46560	Seq. ID	OJ000216_03.0330.C38
Gene No.	98839	Strand	-
Start	3023	End	3535
Name	OJ000216_03.0330.C38.o1.gp	Method	AAT/GAP
Start	3023	End	3535
GI	38782_1.R1084	Score	808
Exons	3023..3535		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	46561	Seq. ID	OJ000216_03.0330.C39
Gene No.	98840	Strand	+
Start	1	End	775
Name	OJ000216_03.0330.C39.o1.np	Method	AAT/NAP
Start	1	End	775
GI	6907086	Score	596
Exons	1..340, 401..637, 696..775		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	46561	Seq. ID	OJ000216_03.0330.C39
Gene No.	98841	Strand	-
Start	13	End	315
Name	OJ000216_03.0330.C39.o1.gs	Method	GENSCAN
Start	13	End	315
GI	none	Score	.64
Exons	13..315		

Seq. No.	46562	Seq. ID	OJ000216_03.0330.C42
Gene No.	98842	Strand	-
Start	289	End	545
Name	OJ000216_03.0330.C42.o1.gs	Method	GENSCAN
Start	289	End	519
GI	none	Score	.43
Exons	289..519		

Seq. No.	46562	Seq. ID	OJ000216_03.0330.C42
Gene No.	98842	Strand	-
Start	289	End	545
Name	OJ000216_03.0330.C42.o1.np	Method	AAT/NAP
Start	289	End	545
GI	6539588	Score	160
Exons	289..545		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	46563	Seq. ID	OJ000216_03.0330.C43
Gene No.	98843	Strand	+
Start	767	End	2053
Name	OJ000216_03.0330.C43.o1.gs	Method	GENSCAN
Start	767	End	2053
GI	none	Score	.84
Exons	767..780, 1190..1739, 1904..2053		

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98844	Strand	+
Start	1	End	3186
Name	OJ000216_03.0330.C44.o1.np	Method	AAT/NAP
Start	1	End	965
GI	6715734	Score	385
Exons	1..185, 289..336, 439..552, 657..965		

GI Descrip. (AC016447) putative DNA binding protein [Arabidopsis thaliana]

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98844	Strand	+
Start	1	End	3186
Name	OJ000216_03.0330.C44.o1.gs	Method	GENSCAN
Start	63	End	3186
GI	none	Score	.82
Exons	63..336, 439..552, 657..1212, 3041..3186		

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98845	Strand	+
Start	5157	End	5272
Name	OJ000216_03.0330.C44.o2.gp	Method	AAT/GAP
Start	5157	End	5272

GI	571821	Score	203
Exons	5157..5272		

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98846	Strand	-
Start	4754	End	6693
Name	OJ000216_03.0330.C44.o1.tw	Method	TBLASTX:Wheat
Start	405	End	728
GI	none	Score	136
Exons	405..554, 426..554, 439..555,	445..555, 638..727, 654..728	

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98846	Strand	-
Start	4754	End	6693
Name	OJ000216_03.0330.C44.o1.tc	Method	TBLASTX:Cress
Start	438	End	728
GI	none	Score	64
Exons	438..536, 438..554, 439..555,	638..727, 654..728	

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98846	Strand	-
Start	4754	End	6693
Name	OJ000216_03.0330.C44.o1.ts	Method	TBLASTX:Soybean
Start	438	End	728
GI	none	Score	207
Exons	438..554, 439..555, 439..573,	620..727, 654..728	

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98846	Strand	-
Start	4754	End	6693
Name	OJ000216_03.0330.C44.o1.tm	Method	TBLASTX:Maize
Start	439	End	728
GI	none	Score	181
Exons	439..582, 441..602, 683..727,	684..728	

Seq. No.	46564	Seq. ID	OJ000216_03.0330.C44
Gene No.	98846	Strand	-
Start	4754	End	6693
Name	OJ000216_03.0330.C44.o2.gs	Method	GENSCAN
Start	4754	End	6693
GI	none	Score	.65
Exons	4754..4955, 5209..5390, 6628..	6693	

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98847	Strand	+
Start	328	End	1387
Name	OJ000216_03.0330.C45.o1.gs	Method	GENSCAN
Start	328	End	1365
GI	none	Score	.62
Exons	328..1365		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98847	Strand	+
Start	328	End	1387
Name	OJ000216_03.0330.C45.o1.np	Method	AAT/NAP
Start	328	End	1387
GI	6553882	Score	602

Exons	328..622, 668..1387		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98848	Strand	-
Start	314	End	507
Name	OJ000216_03.0330.C45.o1.gp	Method	AAT/GAP
Start	314	End	507
GI	571821	Score	338
Exons	314..507		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o1.ts	Method	TBLASTX:Soybean
Start	307	End	951
GI	none	Score	125
Exons	307..615, 317..613, 367..621, 447..620, 693..923, 694..951		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o1.tc	Method	TBLASTX:Cress
Start	373	End	999
GI	none	Score	275
Exons	373..621, 452..598, 454..606, 456..611, 697..819, 702..818, 822..920, 829..999		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o1.tm	Method	TBLASTX:Maize
Start	489	End	999
GI	none	Score	320
Exons	489..689, 490..690, 693..995, 694..996, 694..999		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o3.tm	Method	TBLASTX:Maize
Start	1069	End	1312
GI	none	Score	267
Exons	1069..1260, 1071..1241, 1072..1311, 1079..1312		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o1.tw	Method	TBLASTX:Wheat
Start	1084	End	1474
GI	none	Score	134
Exons	1084..1209, 1115..1210, 1200..1385, 1201..1386, 1201..1389, 1202..1390, 1400..1474, 1400..1465		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o2.gs	Method	GENSCAN

Start	1949	End	4405
GI	none	Score	.71
Exons	1949..2160, 2288..2767, 3623..3710, 4217..4405		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o2.np	Method	AAT/NAP
Start	2236	End	4451
GI	7486567	Score	427
Exons	2236..2627, 3621..3710, 4217..4451		
GI Descrip.	hypothetical protein F7H19.150 - Arabidopsis thaliana gi|3292822|emb|CAA19812.1| (AL031018) putative protein [Arabidopsis thaliana] gi|7269144|emb|CAB79252.1| (AL161558) putative protein [Arabidopsis thaliana]		

Seq. No.	46565	Seq. ID	OJ000216_03.0330.C45
Gene No.	98849	Strand	-
Start	1949	End	4451
Name	OJ000216_03.0330.C45.o2.tm	Method	TBLASTX:Maize
Start	2503	End	4316
GI	none	Score	247
Exons	2503..2769, 2505..2771, 2529..2783, 2588..2788, 3611..3715, 3621..3713, 3626..3724, 4217..4309, 4218..4316		

Seq. No.	46566	Seq. ID	OJ000216_03.0330.C49
Gene No.	98850	Strand	+
Start	1	End	985
Name	OJ000216_03.0330.C49.o1.np	Method	AAT/NAP
Start	1	End	985
GI	4680191	Score	71
Exons	1..108, 408..447, 923..985		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	46566	Seq. ID	OJ000216_03.0330.C49
Gene No.	98850	Strand	+
Start	1	End	985
Name	OJ000216_03.0330.C49.o1.gs	Method	GENSCAN
Start	13	End	630
GI	none	Score	.53
Exons	13..194, 465..630		

Seq. No.	46567	Seq. ID	OJ000216_03.0330.C53
Gene No.	98851	Strand	+
Start	7274	End	9827
Name	OJ000216_03.0330.C53.o3.gs	Method	GENSCAN
Start	7274	End	9827
GI	none	Score	.4
Exons	7274..7347, 8502..8586, 9561..9683, 9778..9827		

Seq. No.	46567	Seq. ID	OJ000216_03.0330.C53
Gene No.	98852	Strand	-
Start	1	End	9856
Name	OJ000216_03.0330.C53.o1.np	Method	AAT/NAP
Start	1	End	9856
GI	6907042	Score	437

Exons	1..33, 513..737, 1112..1829, 2410..2717, 9794..9856		
GI Descrip.	(AF193556) sacsin [Homo sapiens]		
Seq. No.	46567	Seq. ID	OJ000216_03.0330.C53
Gene No.	98852	Strand	-
Start	1	End	9856
Name	OJ000216_03.0330.C53.o1.tm	Method	TBLASTX:Maize
Start	528	End	725
GI	none	Score	86
Exons	528..713, 528..725, 547..720		
Seq. No.	46567	Seq. ID	OJ000216_03.0330.C53
Gene No.	98852	Strand	-
Start	1	End	9856
Name	OJ000216_03.0330.C53.o2.gs	Method	GENSCAN
Start	5371	End	5892
GI	none	Score	.67
Exons	5371..5478, 5497..5677, 5834..5892		
Seq. No.	46568	Seq. ID	OJ000216_03.0330.C54
Gene No.	98853	Strand	+
Start	44	End	1866
Name	OJ000216_03.0330.C54.o1.gs	Method	GENSCAN
Start	44	End	1853
GI	none	Score	.88
Exons	44..1853		
Seq. No.	46568	Seq. ID	OJ000216_03.0330.C54
Gene No.	98853	Strand	+
Start	44	End	1866
Name	OJ000216_03.0330.C54.o1.tm	Method	TBLASTX:Maize
Start	1616	End	1866
GI	none	Score	185
Exons	1616..1864, 1617..1865, 1630..1866, 1636..1866		
Seq. No.	46568	Seq. ID	OJ000216_03.0330.C54
Gene No.	98853	Strand	+
Start	44	End	1866
Name	OJ000216_03.0330.C54.o1.gp	Method	AAT/GAP
Start	1640	End	1866
GI	none	Score	410
Exons	1640..1866		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98854	Strand	+
Start	467	End	682
Name	OJ000216_03.0330.C55.o1.gs	Method	GENSCAN
Start	467	End	682
GI	none	Score	.95
Exons	467..682		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98855	Strand	+
Start	3414	End	7621
Name	OJ000216_03.0330.C55.o3.gs	Method	GENSCAN
Start	3414	End	7621
GI	none	Score	.85

Exons	3414..3491, 3955..4416, 4675..4887, 4976..5176, 5860..6244, 6698..7240, 7323..7621		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98855	Strand	+
Start	3414	End	7621
Name	OJ000216_03.0330.C55.o1.np	Method	AAT/NAP
Start	4207	End	7618
GI	4972236	Score	1413
Exons	4207..4416, 4675..4887, 4976..5176, 5860..6244, 6698..7273, 7323..7618		
GI Descrip.	(AJ006349) endo-beta-1,4-glucanase [Fragaria x ananassa]		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98856	Strand	+
Start	11772	End	13534
Name	OJ000216_03.0330.C55.o2.np	Method	AAT/NAP
Start	11772	End	13492
GI	7450208	Score	1662
Exons	11772..11972, 12059..13492		
GI Descrip.	probable amp-binding protein - rape gi|1903034|emb|CAA64328.1| (X94625) amp-binding protein [Brassica napus]		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98856	Strand	+
Start	11772	End	13534
Name	OJ000216_03.0330.C55.o4.gs	Method	GENSCAN
Start	11772	End	13534
GI	none	Score	.96
Exons	11772..11972, 12059..13534		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98857	Strand	+
Start	14324	End	17920
Name	OJ000216_03.0330.C55.o5.gs	Method	GENSCAN
Start	14324	End	17920
GI	none	Score	.65
Exons	14324..14843, 15675..15838, 15959..16056, 16163..16297, 16544..16733, 16805..17920		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98857	Strand	+
Start	14324	End	17920
Name	OJ000216_03.0330.C55.o3.np	Method	AAT/NAP
Start	14459	End	17908
GI	6686396	Score	2340
Exons	14459..14843, 15675..15838, 15959..16056, 16163..16297, 16544..16733, 16805..17908		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		
Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98858	Strand	+
Start	19553	End	27596
Name	OJ000216_03.0330.C55.o6.gs	Method	GENSCAN
Start	19553	End	27596
GI	none	Score	.52
Exons	19553..19670, 20464..20562, 21252..21527, 22174..22247,		

22930..23053, 26334..26452, 27540..27596

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98859	Strand	+
Start	38224	End	40044
Name	OJ000216_03.0330.C55.o9.gs	Method	GENSCAN
Start	38224	End	40044
GI	none	Score	.88
Exons	38224..38286, 38377..39549, 39919..40044		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98859	Strand	+
Start	38224	End	40044
Name	OJ000216_03.0330.C55.o5.np	Method	AAT/NAP
Start	38416	End	39628
GI	5734789	Score	763
Exons	38416..39628		
GI Descrip.	(AC007980) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98860	Strand	-
Start	2156	End	2900
Name	OJ000216_03.0330.C55.o2.gs	Method	GENSCAN
Start	2156	End	2900
GI	none	Score	.85
Exons	2156..2371, 2418..2457, 2845..2900		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98861	Strand	-
Start	28092	End	28555
Name	OJ000216_03.0330.C55.o1.gp	Method	AAT/GAP
Start	28092	End	28555
GI	5056085	Score	769
Exons	28092..28555		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98862	Strand	-
Start	28878	End	29364
Name	OJ000216_03.0330.C55.o2.gp	Method	AAT/GAP
Start	28878	End	29364
GI	uC-osroM202035e08b1	Score	635
Exons	28878..29003, 29128..29364		
GI Descrip.	'5103809/gb|AAD39639.1|AC007591_4 7.0e-45 (AC007591) Similar to gb_AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb_N96271 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98862	Strand	-
Start	28878	End	29364
Name	OJ000216_03.0330.C55.o3.gp	Method	AAT/GAP
Start	28953	End	29362
GI	uC-osroM202035e08b1	Score	501
Exons	28953..29003, 29128..29362		
GI Descrip.	'5103809/gb|AAD39639.1|AC007591_4 7.0e-45 (AC007591) Similar to gb_AF099053 phosphatidylserine synthase-2 from Mus musculus. EST gb_N96271 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98863	Strand	-
Start	32307	End	36923
Name	OJ000216_03.0330.C55.o4.gp	Method	AAT/GAP
Start	32307	End	34565
GI	20816_1.R1084	Score	1616
Exons	32307..32431, 32617..32798, 32900..32974, 33073..33209, 33295..33454, 33533..33628, 33709..33863, 34513..34565		
GI Descrip.	'2293332 4.0e-28 (AF011338) unknown [Dictyostelium discoideum]'		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98863	Strand	-
Start	32307	End	36923
Name	OJ000216_03.0330.C55.o4.np	Method	AAT/NAP
Start	32867	End	33370
GI	3252825	Score	199
Exons	32867..32974, 33073..33224, 33304..33370		
GI Descrip.	(AC004382) Unknown gene product [Homo sapiens]		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98863	Strand	-
Start	32307	End	36923
Name	OJ000216_03.0330.C55.o8.gs	Method	GENSCAN
Start	33281	End	36923
GI	none	Score	.46
Exons	33281..33403, 33533..33628, 33709..33863, 34513..34670, 35428..35556, 36455..36593, 36821..36923		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o10.tm	Method	TBLASTX:Maize
Start	4291	End	5128
GI	none	Score	142
Exons	4291..4419, 4320..4403, 4674..4862, 4675..4890, 4964..5077, 4972..5127, 4978..5001, 4997..5128		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o3.ts	Method	TBLASTX:Soybean
Start	4672	End	5179
GI	none	Score	292
Exons	4672..4890, 4674..4889, 4975..5178, 4997..5179		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o3.tc	Method	TBLASTX:Cress
Start	4674	End	6920
GI	none	Score	233
Exons	4674..4781, 4675..4890, 4818..4859, 4975..5124, 4997..5179, 5872..5991, 6042..6119, 6043..6126, 6121..6246, 6693..6920, 6694..6891		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-

Start	41010	End	41416
Name	OJ000216_03.0330.C55.o12.tm	Method	TBLASTX:Maize
Start	5856	End	6093
GI	none	Score	231
Exons	5856..6092, 5872..6093		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o4.ts	Method	TBLASTX:Soybean
Start	5872	End	7630
GI	none	Score	236
Exons	5872..6126, 6024..6119, 6121..6246, 6693..6968, 6694..7173, 7020..7166, 7319..7492, 7489..7629, 7490..7630		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o11.tm	Method	TBLASTX:Maize
Start	6730	End	7182
GI	none	Score	53
Exons	6730..6783, 6834..6992, 6835..6963, 7012..7182, 7023..7172		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o3.tw	Method	TBLASTX:Wheat
Start	6730	End	39520
GI	none	Score	51
Exons	6730..6783, 6831..6962, 6835..6963, 7009..7140, 7026..7139, 39452..39520		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o8.tc	Method	TBLASTX:Cress
Start	6925	End	7173
GI	none	Score	212
Exons	6925..7173, 7063..7173		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o9.tc	Method	TBLASTX:Cress
Start	7325	End	7609
GI	none	Score	127
Exons	7325..7483, 7490..7609		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o3.tm	Method	TBLASTX:Maize
Start	11758	End	12223
GI	none	Score	289
Exons	11758..11805, 11771..11944, 11772..11945, 11912..11974, 11946..11981, 12020..12223, 12059..12211		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o4.tc	Method	TBLASTX:Cress
Start	11772	End	12211
GI	none	Score	184
Exons	11772..11948, 11801..11944, 11943..11981, 12058..12201, 12059..12211		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o1.ts	Method	TBLASTX:Soybean
Start	11796	End	13255
GI	none	Score	137
Exons	11796..11939, 12050..12211, 12058..12207, 12317..13102, 12376..13095, 13108..13254, 13109..13255		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o4.tm	Method	TBLASTX:Maize
Start	12335	End	12883
GI	none	Score	394
Exons	12335..12724, 12364..12726, 12739..12882, 12740..12883		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o1.tc	Method	TBLASTX:Cress
Start	12406	End	13489
GI	none	Score	664
Exons	12406..13095, 12419..13102, 13108..13296, 13109..13267, 13268..13327, 13411..13485, 13421..13489		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o2.tw	Method	TBLASTX:Wheat
Start	12421	End	12592
GI	none	Score	296
Exons	12421..12591, 12422..12592		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o4.tw	Method	TBLASTX:Wheat
Start	12739	End	12949
GI	none	Score	187
Exons	12739..12942, 12740..12949, 12821..12943		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o7.tm	Method	TBLASTX:Maize
Start	12958	End	13495
GI	none	Score	99

Exons 12958..13095, 12959..13111, 13061..13327, 13099..13326, 13373..13417, 13417..13494, 13427..13495

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o8.ts	Method	TBLASTX:Soybean
Start	13256	End	13501
GI	none	Score	121
Exons	13256..13330, 13291..13323, 13367..13501, 13375..13491		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o9.tm	Method	TBLASTX:Maize
Start	14563	End	15727
GI	none	Score	236
Exons	14563..14757, 14564..14758, 14771..14845, 14773..14844, 15671..15727		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o7.ts	Method	TBLASTX:Soybean
Start	14566	End	16881
GI	none	Score	222
Exons	14566..14757, 14570..14758, 14771..14845, 14773..14844, 15661..15810, 15671..15730, 15749..15811, 16647..16736, 16649..16726, 16802..16873, 16804..16881		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o5.tc	Method	TBLASTX:Cress
Start	14677	End	16057
GI	none	Score	106
Exons	14677..14757, 14678..14761, 14771..14845, 14773..14844, 15637..15732, 15671..15733, 15752..15844, 15754..15837, 15949..16053, 15950..16057		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o8.tm	Method	TBLASTX:Maize
Start	15731	End	16682
GI	none	Score	154
Exons	15731..15865, 15748..15864, 15941..16057, 15961..16053, 16161..16313, 16166..16315, 16541..16681, 16542..16682, 16569..16682		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o6.ts	Method	TBLASTX:Soybean
Start	15812	End	16642
GI	none	Score	44
Exons	15812..15844, 15949..16053, 15950..16057, 16161..16313,		

16166..16312, 16167..16364, 16541..16642, 16542..16640

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o7.tc	Method	TBLASTX:Cress
Start	16605	End	16900
GI	none	Score	160
Exons	16605..16736, 16617..16736, 16622..16744, 16790..16900		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o1.tm	Method	TBLASTX:Maize
Start	16683	End	17916
GI	none	Score	53
Exons	16683..16736, 16790..16900, 16804..16875, 16961..17182, 17005..17181, 17183..17899, 17272..17889, 17753..17899, 17782..17916		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o2.ts	Method	TBLASTX:Soybean
Start	16961	End	17899
GI	none	Score	651
Exons	16961..17458, 17005..17211, 17272..17457, 17459..17602, 17461..17604, 17614..17889, 17615..17899		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o2.tc	Method	TBLASTX:Cress
Start	17075	End	17860
GI	none	Score	177
Exons	17075..17248, 17086..17211, 17234..17437, 17272..17433, 17440..17568, 17441..17566, 17560..17808, 17561..17860		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o1.tw	Method	TBLASTX:Wheat
Start	17486	End	17907
GI	none	Score	515
Exons	17486..17899, 17491..17907		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o10.ts	Method	TBLASTX:Soybean
Start	28885	End	29360
GI	none	Score	87
Exons	28885..29001, 28904..29020, 29129..29191, 29219..29359, 29241..29360		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-

Start	41010	End	41416
Name	OJ000216_03.0330.C55.o6.tm	Method	TBLASTX:Maize
Start	28906	End	29363
GI	none	Score	113
Exons	28906..29001, 28907..29044, 28908..29003, 29126..29236, 29127..29246, 29216..29362, 29232..29363, 29241..29363		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o2.tm	Method	TBLASTX:Maize
Start	32758	End	34639
GI	none	Score	55
Exons	32758..32793, 32758..32787, 32760..32801, 32888..32974, 32898..32972, 32898..32975, 32899..32973, 33064..33210, 33072..33209, 33074..33211, 33292..33456, 33296..33502, 33525..33629, 33534..33590, 33536..33634, 33727..33864, 33728..33928, 34511..34612, 34520..34639		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o5.ts	Method	TBLASTX:Soybean
Start	32760	End	33858
GI	none	Score	42
Exons	32760..32801, 32761..32796, 32888..32974, 32898..32972, 33064..33216, 33072..33212, 33074..33214, 33289..33390, 33293..33379, 33374..33454, 33384..33455, 33724..33858		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o9.ts	Method	TBLASTX:Soybean
Start	38434	End	38655
GI	none	Score	201
Exons	38434..38655, 38469..38654		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o6.tc	Method	TBLASTX:Cress
Start	38478	End	39030
GI	none	Score	270
Exons	38478..38777, 38479..38793, 38880..38996, 38923..39030		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416
Name	OJ000216_03.0330.C55.o5.tm	Method	TBLASTX:Maize
Start	38640	End	38993
GI	none	Score	226
Exons	38640..38780, 38641..38799, 38793..38888, 38794..38892, 38880..38993, 38881..38991		

Seq. No.	46569	Seq. ID	OJ000216_03.0330.C55
Gene No.	98864	Strand	-
Start	41010	End	41416

Name	OJ000216_03.0330.C55.o10.gs	Method	GENSCAN
Start	41010	End	41416
GI	none	Score	.93
Exons	41010..41182, 41395..41416		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98865	Strand	+
Start	280	End	2080
Name	OJ000216_03.0330.C56.o1.gs	Method	GENSCAN
Start	280	End	2080
GI	none	Score	.5
Exons	280..724, 1130..1234, 1445..1482, 1964..2080		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98866	Strand	+
Start	3459	End	6329
Name	OJ000216_03.0330.C56.o2.gs	Method	GENSCAN
Start	3459	End	6329
GI	none	Score	.59
Exons	3459..3548, 3861..4313, 4486..4535, 4711..4798, 6064..6180, 6270..6329		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98866	Strand	+
Start	3459	End	6329
Name	OJ000216_03.0330.C56.o3.np	Method	AAT/NAP
Start	4871	End	5650
GI	6069646	Score	253
Exons	4871..4944, 5185..5650		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98867	Strand	-
Start	1387	End	3569
Name	OJ000216_03.0330.C56.o1.gp	Method	AAT/GAP
Start	1387	End	2110
GI	32010_1.R1084	Score	1423
Exons	1387..2110		
GI Descrip.	'4406761/gb|AAD20072| 2.0e-42 (AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]'		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98867	Strand	-
Start	1387	End	3569
Name	OJ000216_03.0330.C56.o2.np	Method	AAT/NAP
Start	1703	End	2934
GI	4406761	Score	924
Exons	1703..2194, 2749..2934		
GI Descrip.	(AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98867	Strand	-

Start	1387	End	3569
Name	OJ000216_03.0330.C56.o2.gp	Method	AAT/GAP
Start	2748	End	3569
GI	3548954	Score	654
Exons	2748..2932, 3397..3569		
GI Descrip.	4406761/gb|AAD20072| 7.0e-17 (AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o1.tm	Method	TBLASTX:Maize
Start	1692	End	2032
GI	none	Score	331
Exons	1692..1997, 1694..2032, 1695..2027		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o1.tc	Method	TBLASTX:Cress
Start	1712	End	2077
GI	none	Score	175
Exons	1712..1993, 1715..2077, 1716..1982		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o1.ts	Method	TBLASTX:Soybean
Start	1715	End	1949
GI	none	Score	190
Exons	1715..1948, 1716..1949		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o2.ts	Method	TBLASTX:Soybean
Start	2105	End	2931
GI	none	Score	164
Exons	2105..2158, 2747..2908, 2749..2931, 2750..2905		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o3.tm	Method	TBLASTX:Maize
Start	2113	End	2937
GI	none	Score	103
Exons	2113..2190, 2114..2197, 2115..2195, 2119..2196, 2747..2935, 2749..2937		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o2.tc	Method	TBLASTX:Cress
Start	2746	End	3009
GI	none	Score	177
Exons	2746..3009, 2747..2920		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o3.ts	Method	TBLASTX:Soybean
Start	3966	End	4109
GI	none	Score	190
Exons	3966..4109		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o2.tm	Method	TBLASTX:Maize
Start	5194	End	5548
GI	none	Score	242
Exons	5194..5409, 5195..5410, 5198..5416, 5432..5548, 5435..5548		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o1.tw	Method	TBLASTX:Wheat
Start	5240	End	5548
GI	none	Score	127
Exons	5240..5368, 5381..5440, 5414..5548, 5423..5548		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o3.gp	Method	AAT/GAP
Start	8623	End	9059
GI	6547_4.R1084	Score	800
Exons	8623..9059		
GI Descrip.	'3402817/emb|CAA07704| 1.0e-18 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o4.np	Method	AAT/NAP
Start	8963	End	9609
GI	6907106	Score	401
Exons	8963..9609		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o4.tm	Method	TBLASTX:Maize
Start	9060	End	9365
GI	none	Score	50
Exons	9060..9107, 9061..9168, 9201..9365, 9204..9365, 9206..9259		

Seq. No.	46570	Seq. ID	OJ000216_03.0330.C56
Gene No.	98868	Strand	-
Start	9309	End	9609
Name	OJ000216_03.0330.C56.o3.gs	Method	GENSCAN
Start	9309	End	9608

GI	none	Score	.99
Exons	9309..9608		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98869	Strand	+
Start	1	End	6898
Name	OJ000216_03.0330.C57.o1.np	Method	AAT/NAP
Start	1	End	6495
GI	5732634	Score	268
Exons	1..357, 5496..5759, 6108..6495		
GI Descrip.	(AF121009) hypothetical protein Jv0534 [Mycobacterium tuberculosis H37Rv]		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98869	Strand	+
Start	1	End	6898
Name	OJ000216_03.0330.C57.o1.gs	Method	GENSCAN
Start	254	End	6737
GI	none	Score	.48
Exons	254..404, 479..663, 4050..4203, 5560..6737		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98869	Strand	+
Start	1	End	6898
Name	OJ000216_03.0330.C57.o2.gp	Method	AAT/GAP
Start	6416	End	6898
GI	none	Score	934
Exons	6416..6898		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98870	Strand	+
Start	9010	End	10622
Name	OJ000216_03.0330.C57.o3.gs	Method	GENSCAN
Start	9010	End	9811
GI	none	Score	.87
Exons	9010..9205, 9465..9811		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98870	Strand	+
Start	9010	End	10622
Name	OJ000216_03.0330.C57.o2.np	Method	AAT/NAP
Start	9022	End	10622
GI	4514716	Score	348
Exons	9022..9205, 9465..9676, 10521..10622		
GI Descrip.	(AB017533) EPc [Nicotiana tabacum]		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98870	Strand	+
Start	9010	End	10622
Name	OJ000216_03.0330.C57.o3.gp	Method	AAT/GAP
Start	9055	End	9778
GI	95234_1.R1084	Score	736
Exons	9055..9205, 9465..9778		
GI Descrip.	'4514716/dbj|BAA75495.1| 1.0e-16 (AB017533) EPc [Nicotiana tabacum]'		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57

Gene No.	98871	Strand	+
Start	13240	End	14012
Name	OJ000216_03.0330.C57.o4.gs	Method	GENSCAN
Start	13240	End	14012
GI	none	Score	.51
Exons	13240..14012		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98872	Strand	-
Start	1	End	231
Name	OJ000216_03.0330.C57.o1.gp	Method	AAT/GAP
Start	1	End	231
GI	2428128	Score	455
Exons	1..231		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98873	Strand	
Start	9013	End	9663
Name	OJ000216_03.0330.C57.o1.tm	Method	TBLASTX:Maize
Start	9013	End	9663
GI	none	Score	74
Exons	9013..9204, 9086..9154, 9094..9204, 9433..9663, 9467..9661		

Seq. No.	46571	Seq. ID	OJ000216_03.0330.C57
Gene No.	98873	Strand	
Start	9013	End	9663
Name	OJ000216_03.0330.C57.o1.tw	Method	TBLASTX:Wheat
Start	9046	End	9657
GI	none	Score	62
Exons	9046..9204, 9089..9151, 9094..9204, 9466..9657, 9467..9655		

Seq. No.	46572	Seq. ID	OJ000216_03.0330.C58
Gene No.	98874	Strand	-
Start	1112	End	1713
Name	OJ000216_03.0330.C58.o1.gs	Method	GENSCAN
Start	1112	End	1713
GI	none	Score	.6
Exons	1112..1211, 1597..1713		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98875	Strand	+
Start	7757	End	11794
Name	OJ000216_05.0328.C1.o3.np	Method	AAT/NAP
Start	7757	End	11794
GI	6691716	Score	1084
Exons	7757..7777, 10125..10325, 10402..10577, 10655..10842, 10917..11017, 11168..11283, 11346..11794		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98876	Strand	+
Start	19251	End	20764
Name	OJ000216_05.0328.C1.o6.gs	Method	GENSCAN
Start	19251	End	20764
GI	none	Score	.65

Exons	19251..19261, 19440..19546, 19992..20050, 20168..20764		
Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98877	Strand	-
Start	1	End	4063
Name	OJ000216_05.0328.C1.o1.np	Method	AAT/NAP
Start	1	End	4063
GI	3928871	Score	935
Exons	1..55, 662..959, 1044..1209, 2217..2403, 2529..2578, 3920..4063		
GI Descrip.	(AF093627) poly(ADP)-ribose polymerase [Zea mays]		
Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98877	Strand	-
Start	1	End	4063
Name	OJ000216_05.0328.C1.o1.gs	Method	GENSCAN
Start	658	End	2568
GI	none	Score	.71
Exons	658..965, 1044..1209, 2551..2568		
Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98877	Strand	-
Start	1	End	4063
Name	OJ000216_05.0328.C1.o1.gp	Method	AAT/GAP
Start	1113	End	1827
GI	4107140	Score	1208
Exons	1113..1827		
Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98878	Strand	-
Start	6461	End	9973
Name	OJ000216_05.0328.C1.o3.gs	Method	GENSCAN
Start	6461	End	9361
GI	none	Score	.44
Exons	6461..6527, 6892..7064, 8694..9032, 9089..9361		
Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98878	Strand	-
Start	6461	End	9973
Name	OJ000216_05.0328.C1.o2.np	Method	AAT/NAP
Start	8735	End	9973
GI	6691716	Score	1438
Exons	8735..8891, 9089..9973		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o5.tm	Method	TBLASTX:Maize
Start	642	End	801
GI	none	Score	184
Exons	642..788, 643..801, 644..799		
Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243

Name	OJ000216_05.0328.C1.o9.tw	Method	TBLASTX:Wheat
Start	9563	End	9880
GI	none	Score	212
Exons	9563..9880		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o5.gs	Method	GENSCAN
Start	12135	End	18243
GI	none	Score	.56
Exons	12135..12712, 12806..12947, 13392..13732, 13773..13956, 14170..14847, 14945..15218, 15315..15505, 15680..16686, 16845..17394, 17535..17634, 17636..18243		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o3.tw	Method	TBLASTX:Wheat
Start	12165	End	12761
GI	none	Score	88
Exons	12165..12284, 12270..12761, 12499..12606, 12673..12741		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o4.np	Method	AAT/NAP
Start	12171	End	18243
GI	5922631	Score	6703
Exons	12171..14699, 15307..16233, 16360..16511, 16554..17123, 17157..17366, 17625..17860, 18119..18243		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o4.tm	Method	TBLASTX:Maize
Start	12186	End	12440
GI	none	Score	105
Exons	12186..12287, 12187..12288, 12267..12440, 12268..12342		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o4.tw	Method	TBLASTX:Wheat
Start	12876	End	13263
GI	none	Score	95
Exons	12876..13061, 12876..13262, 12952..13263		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-

Start	12135	End	18243
Name	OJ000216_05.0328.C1.o1.tm	Method	TBLASTX:Maize
Start	12906	End	13268
GI	none	Score	246
Exons	12906..12953, 12945..13268, 12958..13248		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o10.tw	Method	TBLASTX:Wheat
Start	13266	End	13565
GI	none	Score	83
Exons	13266..13364, 13418..13555, 13422..13562, 13431..13565		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o5.tw	Method	TBLASTX:Wheat
Start	13579	End	14004
GI	none	Score	87
Exons	13579..13773, 13581..13781, 13777..14004, 13787..13999		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o2.ts	Method	TBLASTX:Soybean
Start	13626	End	14004
GI	none	Score	78
Exons	13626..13748, 13795..13869, 13909..14004		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o7.tw	Method	TBLASTX:Wheat
Start	14008	End	14289
GI	none	Score	70
Exons	14008..14289, 14009..14170, 14188..14280		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o1.ts	Method	TBLASTX:Soybean
Start	14239	End	14670
GI	none	Score	169
Exons	14239..14670, 14270..14623		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o1.tw	Method	TBLASTX:Wheat
Start	14294	End	14719
GI	none	Score	301
Exons	14294..14719, 14299..14718		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243

Name	OJ000216_05.0328.C1.o2.tm	Method	TBLASTX:Maize
Start	14392	End	14775
GI	none	Score	183
Exons	14392..14775, 14393..14737		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o3.tm	Method	TBLASTX:Maize
Start	14803	End	15160
GI	none	Score	52
Exons	14803..14904, 14813..14908, 14904..15119, 14905..15087, 14909..15160		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o2.tw	Method	TBLASTX:Wheat
Start	14833	End	15290
GI	none	Score	153
Exons	14833..14907, 14902..15099, 14903..15172, 14906..15289, 14913..15290		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o6.tw	Method	TBLASTX:Wheat
Start	15510	End	15967
GI	none	Score	156
Exons	15510..15746, 15512..15742, 15791..15967		

Seq. No.	46573	Seq. ID	OJ000216_05.0328.C1
Gene No.	98879	Strand	-
Start	12135	End	18243
Name	OJ000216_05.0328.C1.o8.tw	Method	TBLASTX:Wheat
Start	16607	End	16977
GI	none	Score	202
Exons	16607..16720, 16696..16977		

Seq. No.	46574	Seq. ID	OJ000216_05.0328.C2
Gene No.	98880	Strand	+
Start	1	End	1431
Name	OJ000216_05.0328.C2.o1.gs	Method	GENSCAN
Start	1	End	1121
GI	none	Score	.43
Exons	1..117, 354..1121		

Seq. No.	46574	Seq. ID	OJ000216_05.0328.C2
Gene No.	98880	Strand	+
Start	1	End	1431
Name	OJ000216_05.0328.C2.o1.np	Method	AAT/NAP
Start	424	End	1431
GI	4378066	Score	563
Exons	424..1431		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	46574	Seq. ID	OJ000216_05.0328.C2
Gene No.	98880	Strand	+
Start	1	End	1431
Name	OJ000216_05.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	648	End	986
GI	none	Score	66
Exons	648..758, 765..986, 798..977,	953..985	

Seq. No.	46575	Seq. ID	OJ000216_05.0328.C3
Gene No.	98881	Strand	-
Start	1	End	1202
Name	OJ000216_05.0328.C3.o1.np	Method	AAT/NAP
Start	1	End	1202
GI	7489805	Score	100
Exons	1..208, 1136..1202		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	46575	Seq. ID	OJ000216_05.0328.C3
Gene No.	98881	Strand	-
Start	1	End	1202
Name	OJ000216_05.0328.C3.o1.gs	Method	GENSCAN
Start	39	End	1107
GI	none	Score	.52
Exons	39..153, 429..604, 634..919,	978..1107	

Seq. No.	46576	Seq. ID	OJ000216_05.0328.C5
Gene No.	98882	Strand	+
Start	1	End	859
Name	OJ000216_05.0328.C5.o1.np	Method	AAT/NAP
Start	1	End	859
GI	4378066	Score	646
Exons	1..859		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	46576	Seq. ID	OJ000216_05.0328.C5
Gene No.	98882	Strand	+
Start	1	End	859
Name	OJ000216_05.0328.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	369
GI	none	Score	207
Exons	1..369, 135..308		

Seq. No.	46576	Seq. ID	OJ000216_05.0328.C5
Gene No.	98882	Strand	+
Start	1	End	859
Name	OJ000216_05.0328.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	189
GI	none	Score	196
Exons	1..189, 3..176, 73..180		

Seq. No.	46576	Seq. ID	OJ000216_05.0328.C5
Gene No.	98882	Strand	+
Start	1	End	859

Name	OJ000216_05.0328.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	285
GI	none	Score	284
Exons	1..285, 1..141, 3..176		

Seq. No.	46576	Seq. ID	OJ000216_05.0328.C5
Gene No.	98882	Strand	+
Start	1	End	859
Name	OJ000216_05.0328.C5.o1.gs	Method	GENSCAN
Start	262	End	330
GI	none	Score	.48
Exons	262..330		

Seq. No.	46576	Seq. ID	OJ000216_05.0328.C5
Gene No.	98882	Strand	+
Start	1	End	859
Name	OJ000216_05.0328.C5.o2.tw	Method	TBLASTX:Wheat
Start	421	End	838
GI	none	Score	183
Exons	421..666, 495..647, 701..838		

Seq. No.	46577	Seq. ID	OJ000216_05.0328.C6
Gene No.	98883	Strand	+
Start	1	End	989
Name	OJ000216_05.0328.C6.o1.np	Method	AAT/NAP
Start	1	End	989
GI	4378066	Score	642
Exons	1..989		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	46577	Seq. ID	OJ000216_05.0328.C6
Gene No.	98884	Strand	+
Start	4979	End	5228
Name	OJ000216_05.0328.C6.o2.gp	Method	AAT/GAP
Start	4979	End	5228
GI	101153_1.R1084	Score	344
Exons	4979..5228		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46577	Seq. ID	OJ000216_05.0328.C6
Gene No.	98885	Strand	-
Start	1	End	5232
Name	OJ000216_05.0328.C6.o2.np	Method	AAT/NAP
Start	1	End	5232
GI	5852175	Score	117
Exons	1..85, 4498..4609, 5184..5232		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	46577	Seq. ID	OJ000216_05.0328.C6
Gene No.	98885	Strand	-
Start	1	End	5232
Name	OJ000216_05.0328.C6.o1.tm	Method	TBLASTX:Maize
Start	224	End	415
GI	none	Score	194

Exons	224..373, 225..368, 368..415		
Seq. No.	46577	Seq. ID	OJ000216_05.0328.C6
Gene No.	98885	Strand	-
Start	1	End	5232
Name	OJ000216_05.0328.C6.o1.tw	Method	TBLASTX:Wheat
Start	402	End	700
GI	none	Score	90
Exons	402..488, 547..675, 548..679, 611..700		
Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98886	Strand	+
Start	1	End	4565
Name	OJ000216_05.0328.C7.o1.np	Method	AAT/NAP
Start	1	End	2219
GI	5852179	Score	189
Exons	1..165, 402..627, 2195..2219		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98886	Strand	+
Start	1	End	4565
Name	OJ000216_05.0328.C7.o2.np	Method	AAT/NAP
Start	1	End	4565
GI	6063554	Score	209
Exons	1..60, 2385..2625, 2904..3157, 4366..4565		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98886	Strand	+
Start	1	End	4565
Name	OJ000216_05.0328.C7.o1.gp	Method	AAT/GAP
Start	2402	End	2748
GI	3061198	Score	661
Exons	2402..2748		
Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98887	Strand	+
Start	5254	End	6699
Name	OJ000216_05.0328.C7.o2.gs	Method	GENSCAN
Start	5254	End	6699
GI	none	Score	.9
Exons	5254..5292, 5370..5844, 6071..6699		
Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98888	Strand	+
Start	6730	End	7036
Name	OJ000216_05.0328.C7.o4.gp	Method	AAT/GAP
Start	6730	End	7036
GI	61605_3.R1084	Score	396
Exons	6730..7036		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7

Gene No.	98889	Strand	-
Start	41	End	3265
Name	OJ000216_05.0328.C7.o1.gs	Method	GENSCAN
Start	41	End	3265
GI	none	Score	.68
Exons	41..446, 560..615, 746..794, 960..969, 2291..2339, 2736..2876, 3107..3265		

Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98890	Strand	-
Start	4937	End	5188
Name	OJ000216_05.0328.C7.o3.gp	Method	AAT/GAP
Start	4937	End	5188
GI	61605_3.R1084	Score	358
Exons	4937..5188		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98891	Strand	-
Start	7428	End	10425
Name	OJ000216_05.0328.C7.o3.np	Method	AAT/NAP
Start	7428	End	10425
GI	6063554	Score	201
Exons	7428..7601, 8234..8263, 9891..10111, 10233..10425		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98892	Strand	-
Start	11610	End	16146
Name	OJ000216_05.0328.C7.o2.ts	Method	TBLASTX:Soybean
Start	11487	End	11732
GI	none	Score	43
Exons	11487..11732, 11491..11520, 11560..11721		

Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98892	Strand	-
Start	11610	End	16146
Name	OJ000216_05.0328.C7.o4.gs	Method	GENSCAN
Start	11610	End	13541
GI	none	Score	.41
Exons	11610..12049, 12744..13062, 13485..13541		

Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98892	Strand	-
Start	11610	End	16146
Name	OJ000216_05.0328.C7.o5.np	Method	AAT/NAP
Start	11765	End	16146
GI	7248394	Score	141
Exons	11765..11806, 13169..13369, 16102..16146		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98892	Strand	-
Start	11610	End	16146
Name	OJ000216_05.0328.C7.o3.ts	Method	TBLASTX:Soybean
Start	12247	End	12528
GI	none	Score	185
Exons	12247..12528		

Seq. No.	46578	Seq. ID	OJ000216_05.0328.C7
Gene No.	98892	Strand	-
Start	11610	End	16146
Name	OJ000216_05.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	12896	End	13307
GI	none	Score	59
Exons	12896..13003, 12898..13050, 13063..13149, 13065..13148, 13170..13307, 13174..13299		

Seq. No.	46579	Seq. ID	OJ000216_05.0328.C8
Gene No.	98893	Strand	+
Start	5552	End	6316
Name	OJ000216_05.0328.C8.o2.gs	Method	GENSCAN
Start	5552	End	6316
GI	none	Score	.86
Exons	5552..5738, 5989..6120, 6126..6316		

Seq. No.	46579	Seq. ID	OJ000216_05.0328.C8
Gene No.	98894	Strand	-
Start	599	End	3476
Name	OJ000216_05.0328.C8.o1.gs	Method	GENSCAN
Start	599	End	3476
GI	none	Score	.54
Exons	599..687, 920..1098, 1637..1769, 2025..2134, 3340..3476		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98895	Strand	+
Start	1	End	7486
Name	OJ000216_05.0328.C9.o3.np	Method	AAT/NAP
Start	1	End	7486
GI	5852175	Score	83
Exons	1..41, 3156..3230, 3747..3803, 4382..4476, 7415..7486		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98895	Strand	+
Start	1	End	7486
Name	OJ000216_05.0328.C9.o1.gs	Method	GENSCAN
Start	48	End	1871
GI	none	Score	.67
Exons	48..54, 616..828, 968..1075, 1105..1331, 1683..1871		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98895	Strand	+
Start	1	End	7486
Name	OJ000216_05.0328.C9.o1.gp	Method	AAT/GAP
Start	3267	End	4000
GI	101153_1.R1084	Score	351

Exons	3267..3296, 3756..4000		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98895	Strand	+
Start	1	End	7486
Name	OJ000216_05.0328.C9.o2.gp	Method	AAT/GAP
Start	4575	End	5250
GI	3761363	Score	486
Exons	4575..4880, 5213..5250		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98896	Strand	-
Start	1	End	5060
Name	OJ000216_05.0328.C9.o1.np	Method	AAT/NAP
Start	1	End	5060
GI	7489805	Score	79
Exons	1..30, 573..835, 5005..5060		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98896	Strand	-
Start	1	End	5060
Name	OJ000216_05.0328.C9.o2.np	Method	AAT/NAP
Start	1430	End	3362
GI	5852179	Score	213
Exons	1430..1472, 2841..3072, 3146..3362		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98896	Strand	-
Start	1	End	5060
Name	OJ000216_05.0328.C9.o2.gs	Method	GENSCAN
Start	2757	End	4429
GI	none	Score	.58
Exons	2757..3229, 4348..4429		

Seq. No.	46580	Seq. ID	OJ000216_05.0328.C9
Gene No.	98897	Strand	-
Start	5376	End	5453
Name	OJ000216_05.0328.C9.o4.np	Method	AAT/NAP
Start	5376	End	5453
GI	6721516	Score	64
Exons	5376..5453		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46581	Seq. ID	OJ000216_05.0328.C10
Gene No.	98898	Strand	-
Start	180	End	1058
Name	OJ000216_05.0328.C10.o1.gs	Method	GENSCAN
Start	180	End	1058
GI	none	Score	.94
Exons	180..395, 885..1058		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98899	Strand	+
Start	9898	End	12106
Name	OJ000216_05.0328.C11.o2.gs	Method	GENSCAN
Start	9898	End	12106
GI	none	Score	.49
Exons	9898..10302, 11613..11924, 11930..12106		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98900	Strand	+
Start	14067	End	14617
Name	OJ000216_05.0328.C11.o3.np	Method	AAT/NAP
Start	14067	End	14617
GI	7106516	Score	143
Exons	14067..14225, 14501..14617		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98901	Strand	-
Start	1963	End	7857
Name	OJ000216_05.0328.C11.o1.gs	Method	GENSCAN
Start	1963	End	7857
GI	none	Score	.44
Exons	1963..2478, 2771..2918, 3345..3433, 3687..3883, 3970..4475, 4518..4599, 4639..4875, 5396..5603, 5670..5876, 6048..6394, 7635..7857		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98901	Strand	-
Start	1963	End	7857
Name	OJ000216_05.0328.C11.o1.np	Method	AAT/NAP
Start	2577	End	6190
GI	4325357	Score	425
Exons	2577..2674, 3919..4381, 5626..6190		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98902	Strand	-
Start	10206	End	12995
Name	OJ000216_05.0328.C11.o2.np	Method	AAT/NAP
Start	10206	End	12995
GI	5852179	Score	277
Exons	10206..10239, 11635..11875, 11950..12150, 12975..12995		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98903	Strand	-
Start	13949	End	14498
Name	OJ000216_05.0328.C11.o2.tw	Method	TBLASTX:Wheat
Start	4097	End	4462
GI	none	Score	80
Exons	4097..4270, 4098..4259, 4319..4462		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11

Gene No.	98903	Strand	-
Start	13949	End	14498
Name	OJ000216_05.0328.C11.o1.tc	Method	TBLASTX:Cress
Start	5655	End	5957
GI	none	Score	195
Exons	5655..5957		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98903	Strand	-
Start	13949	End	14498
Name	OJ000216_05.0328.C11.o1.tw	Method	TBLASTX:Wheat
Start	5682	End	6110
GI	none	Score	107
Exons	5682..5789, 5763..5978, 5994..6110		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98903	Strand	-
Start	13949	End	14498
Name	OJ000216_05.0328.C11.o1.ts	Method	TBLASTX:Soybean
Start	5700	End	6110
GI	none	Score	70
Exons	5700..5978, 6006..6110		

Seq. No.	46582	Seq. ID	OJ000216_05.0328.C11
Gene No.	98903	Strand	-
Start	13949	End	14498
Name	OJ000216_05.0328.C11.o3.gs	Method	GENSCAN
Start	13949	End	14498
GI	none	Score	.73
Exons	13949..13993, 14185..14297, 14489..14498		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98904	Strand	+
Start	118	End	2946
Name	OJ000216_07.0323.C1.o1.gs	Method	GENSCAN
Start	118	End	2946
GI	none	Score	.59
Exons	118..166, 2740..2946		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98905	Strand	+
Start	7691	End	8221
Name	OJ000216_07.0323.C1.o3.gs	Method	GENSCAN
Start	7691	End	8221
GI	none	Score	.68
Exons	7691..8221		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98906	Strand	+
Start	18395	End	35960
Name	OJ000216_07.0323.C1.o2.np	Method	AAT/NAP
Start	18395	End	34020
GI	7485429	Score	959
Exons	18395..18428, 27193..27260, 32891..34020		
GI Descrip.	hypothetical protein F13M22.15 - Arabidopsis thaliana gi|3236247|gb|AAC23635.1| (AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98906	Strand	+
Start	18395	End	35960
Name	OJ000216_07.0323.C1.o6.gs	Method	GENSCAN
Start	25577	End	26132
GI	none	Score	.97
Exons	25577..25821, 25898..26132		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98906	Strand	+
Start	18395	End	35960
Name	OJ000216_07.0323.C1.o8.gs	Method	GENSCAN
Start	29521	End	35960
GI	none	Score	.51
Exons	29521..29598, 30685..30805, 30872..30882, 31815..31946, 32033..33136, 33199..33903, 34305..34356, 34818..34852, 34985..35014, 35254..35386, 35605..35960		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98907	Strand	+
Start	47115	End	52587
Name	OJ000216_07.0323.C1.o10.gs	Method	GENSCAN
Start	47115	End	50111
GI	none	Score	.59
Exons	47115..47122, 47513..47583, 49742..49821, 50031..50111		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98907	Strand	+
Start	47115	End	52587
Name	OJ000216_07.0323.C1.o2.gp	Method	AAT/GAP
Start	49935	End	51744
GI	10090_1.R1084	Score	1843
Exons	49935..50208, 50597..50669, 50787..50832, 50975..51089, 51183..51262, 51358..51744		
GI Descrip.	'4406764/gb|AAD20075| 4.0e-54 (AC006836) putative uridylyl transferase [Arabidopsis thaliana]'		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98907	Strand	+
Start	47115	End	52587
Name	OJ000216_07.0323.C1.o11.gs	Method	GENSCAN
Start	50587	End	52584
GI	none	Score	.78
Exons	50587..50669, 50787..50832, 50975..51047, 51183..51262, 51358..51957, 52054..52158, 52252..52584		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98907	Strand	+
Start	47115	End	52587
Name	OJ000216_07.0323.C1.o4.np	Method	AAT/NAP
Start	50623	End	52587
GI	6730631	Score	1151
Exons	50623..50669, 50787..50832, 50975..51089, 51183..51250, 51358..51957, 52054..52158, 52252..52587		
GI Descrip.	(AC008262) F4N2.2 [Arabidopsis thaliana]		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98908	Strand	+
Start	53952	End	54400
Name	OJ000216_07.0323.C1.o4.gp	Method	AAT/GAP
Start	53952	End	54400
GI	none	Score	887
Exons	53952..54400		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98909	Strand	-
Start	4603	End	7066
Name	OJ000216_07.0323.C1.o1.np	Method	AAT/NAP
Start	4600	End	7066
GI	6729521	Score	2014
Exons	4600..6751, 6965..7066		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98909	Strand	-
Start	4603	End	7066
Name	OJ000216_07.0323.C1.o2.gs	Method	GENSCAN
Start	4603	End	6831
GI	none	Score	1
Exons	4603..6831		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98910	Strand	-
Start	11481	End	17374
Name	OJ000216_07.0323.C1.o4.gs	Method	GENSCAN
Start	11481	End	17374
GI	none	Score	.44
Exons	11481..12899, 13068..13086, 13328..13474, 14211..14396, 14681..14838, 16086..16170, 17244..17374		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98911	Strand	-
Start	23694	End	28139
Name	OJ000216_07.0323.C1.o1.gp	Method	AAT/GAP
Start	23694	End	27366
GI	49251_1.R1084	Score	1784
Exons	23694..24108, 24961..25047, 26833..27066, 27175..27366		
GI Descrip.	'1703446/sp|P50287|ASPG_ARATH 1.0e-99 L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) >gi_1076292_pir__S53127 asparaginase - Arabidopsis thaliana >gi_735918_emb_CAA84367_ (Z34884) asparaginase [Arabidopsis thaliana]'		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98911	Strand	-
Start	23694	End	28139
Name	OJ000216_07.0323.C1.o7.gs	Method	GENSCAN
Start	26725	End	28139
GI	none	Score	.53
Exons	26725..27066, 27175..27365, 27971..27983, 28053..28139		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98912	Strand	-
Start	36960	End	52310

Name	OJ000216_07.0323.C1.o9.gs	Method	GENSCAN
Start	36960	End	40631
GI	none	Score	.43
Exons	36960..36994, 37484..37554, 38146..38333, 38839..38858, 38896..39000, 39937..40231, 40296..40631		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98912	Strand	-
Start	36960	End	52310
Name	OJ000216_07.0323.C1.o3.np	Method	AAT/NAP
Start	37011	End	52310
GI	6751696	Score	106
Exons	37011..37185, 39975..40335, 52260..52310		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98913	Strand	-
Start	52347	End	52878
Name	OJ000216_07.0323.C1.o3.gp	Method	AAT/GAP
Start	52347	End	52878
GI	1848_1.R1084	Score	995
Exons	52347..52878		
GI Descrip.	'4406764/gb|AAD20075| 2.0e-09 (AC006836) putative uridylyl transferase [Arabidopsis thaliana]'		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o2.tm	Method	TBLASTX:Maize
Start	4744	End	6411
GI	none	Score	480
Exons	4744..5172, 4744..5172, 4745..5173, 5092..5379, 5308..5589, 5413..5688, 5521..5802, 5611..5907, 5725..5997, 5827..6108, 5938..6222, 6037..6318, 6253..6411		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o4.ts	Method	TBLASTX:Soybean
Start	4870	End	6418
GI	none	Score	78
Exons	4870..5445, 4870..5445, 4882..5562, 4882..5364, 4906..5787, 4945..5118, 5021..5188, 5035..5889, 5056..5229, 5128..5994, 5161..5340, 5266..5439, 5371..5478, 5417..5677, 5465..5773, 5533..6303, 5533..5658, 5533..5619, 5539..5712, 5641..6411, 5698..5868, 5746..5919, 5758..5865, 5948..6202, 6023..6349, 6047..6214, 6049..6414, 6049..6387, 6050..6418		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o4.tc	Method	TBLASTX:Cress
Start	4882	End	6411
GI	none	Score	201
Exons	4882..5121, 5005..5334, 5012..5257, 5091..5327, 5113..5439, 5218..5544, 5323..5649, 5428..5754, 5524..5859, 5638..5964, 5729..5977, 5791..6069, 5800..6063, 5848..6171, 6022..6279,		

6023..6289, 6058..6390, 6151..6411

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o2.tc	Method	TBLASTX:Cress
Start	23656	End	27336
GI	none	Score	193
Exons	23656..23757, 23845..24075, 23888..24085, 24958..25047, 26834..27067, 26839..27066, 27169..27336		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o3.ts	Method	TBLASTX:Soybean
Start	23665	End	27345
GI	none	Score	108
Exons	23665..23757, 23845..24060, 23866..24000, 23888..24061, 24964..25050, 26833..27066, 26834..27067, 27169..27309, 27292..27345		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o5.tm	Method	TBLASTX:Maize
Start	26831	End	27297
GI	none	Score	322
Exons	26831..26890, 26833..27066, 26834..27067, 27154..27219, 27172..27195, 27220..27297, 27265..27294		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o8.tm	Method	TBLASTX:Maize
Start	32843	End	33148
GI	none	Score	259
Exons	32843..33148, 32875..33144		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	33062	End	33816
GI	none	Score	90
Exons	33062..33169, 33166..33291, 33213..33254, 33273..33380, 33289..33429, 33430..33816		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	33172	End	34017
GI	none	Score	274
Exons	33172..33432, 33208..33426, 33210..33458, 33430..34017, 33435..34007		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1

Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	33334	End	34008
GI	none	Score	86
Exons	33334..33417, 33430..34008, 33438..34007		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o2.tw	Method	TBLASTX:Wheat
Start	33766	End	34011
GI	none	Score	151
Exons	33766..33909, 33781..33921, 33909..34010, 33910..34011		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o5.tc	Method	TBLASTX:Cress
Start	33817	End	34013
GI	none	Score	195
Exons	33817..34008, 33819..34013		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o7.tm	Method	TBLASTX:Maize
Start	50592	End	51408
GI	none	Score	151
Exons	50592..50669, 50596..50676, 50601..50693, 50784..50834, 50785..50835, 50966..51085, 50967..51089, 50975..51088, 51170..51262, 51181..51255, 51182..51262, 51312..51407, 51355..51408		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o6.tc	Method	TBLASTX:Cress
Start	50620	End	51522
GI	none	Score	69
Exons	50620..50676, 50713..50835, 50970..51011, 50975..51088, 50975..51085, 50982..51098, 51051..51089, 51170..51247, 51396..51476, 51433..51522		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o6.ts	Method	TBLASTX:Soybean
Start	50975	End	51696
GI	none	Score	130
Exons	50975..51088, 51354..51599, 51409..51606, 51427..51696		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o6.tm	Method	TBLASTX:Maize
Start	51409	End	51711

GI	none	Score	173
Exons	51409..51660, 51419..51661, 51427..51711		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o2.ts	Method	TBLASTX:Soybean
Start	51700	End	52433
GI	none	Score	79
Exons	51700..51765, 51781..51957, 51789..51935, 51855..51959, 52053..52190, 52054..52140, 52234..52431, 52249..52431, 52251..52433		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o1.tw	Method	TBLASTX:Wheat
Start	51748	End	52326
GI	none	Score	311
Exons	51748..51957, 51748..51957, 51768..51959, 52050..52169, 52051..52140, 52054..52140, 52247..52318, 52249..52326, 52251..52325		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o3.tc	Method	TBLASTX:Cress
Start	51792	End	52470
GI	none	Score	173
Exons	51792..51950, 51793..51957, 52054..52140, 52065..52139, 52249..52470, 52251..52454		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o3.tm	Method	TBLASTX:Maize
Start	51799	End	52520
GI	none	Score	255
Exons	51799..51957, 51801..51959, 52050..52169, 52054..52140, 52246..52458, 52249..52476, 52251..52520		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o12.gs	Method	GENSCAN
Start	52928	End	55286
GI	none	Score	.64
Exons	52928..52977, 54236..54267, 54416..54676, 54784..55062, 55144..55286		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o4.tm	Method	TBLASTX:Maize
Start	54061	End	55414
GI	none	Score	34
Exons	54061..54123, 54330..54353, 54413..54439, 54414..54578,		

54431..54676, 54434..54592, 54439..54678, 54780..55061,
54780..55121, 54784..55065, 55093..55287, 55125..55286,
55150..55287, 55182..55289, 55379..55414

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o5.np	Method	AAT/NAP
Start	54409	End	55279
GI	6730652	Score	568
Exons	54409..54676, 54784..55062, 55144..55279		
GI Descrip.	(AC008262) F4N2.4 [Arabidopsis thaliana]		

Seq. No.	46583	Seq. ID	OJ000216_07.0323.C1
Gene No.	98914	Strand	-
Start	52928	End	55414
Name	OJ000216_07.0323.C1.o5.ts	Method	TBLASTX:Soybean
Start	54766	End	55112
GI	none	Score	97
Exons	54766..54903, 54768..55112, 54943..55065		

Seq. No.	46584	Seq. ID	OJ000216_07.0323.C2
Gene No.	98915	Strand	+
Start	62	End	1526
Name	OJ000216_07.0323.C2.o1.gs	Method	GENSCAN
Start	62	End	1435
GI	none	Score	.89
Exons	62..175, 260..331, 421..471, 735..812, 980..1435		

Seq. No.	46584	Seq. ID	OJ000216_07.0323.C2
Gene No.	98915	Strand	+
Start	62	End	1526
Name	OJ000216_07.0323.C2.o1.np	Method	AAT/NAP
Start	675	End	1526
GI	6539581	Score	349
Exons	675..812, 983..1526		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	46584	Seq. ID	OJ000216_07.0323.C2
Gene No.	98915	Strand	+
Start	62	End	1526
Name	OJ000216_07.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	1061	End	1288
GI	none	Score	182
Exons	1061..1288, 1072..1191		

Seq. No.	46585	Seq. ID	OJ000216_07.0323.C3
Gene No.	98916	Strand	+
Start	1	End	1078
Name	OJ000216_07.0323.C3.o1.np	Method	AAT/NAP
Start	1	End	1078
GI	6539581	Score	735
Exons	1..857, 930..1078		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	46585	Seq. ID	OJ000216_07.0323.C3
Gene No.	98916	Strand	+
Start	1	End	1078
Name	OJ000216_07.0323.C3.o1.gs	Method	GENSCAN
Start	327	End	1049
GI	none	Score	.74
Exons	327..857, 930..1049		

Seq. No.	46585	Seq. ID	OJ000216_07.0323.C3
Gene No.	98917	Strand	-
Start	1596	End	6367
Name	OJ000216_07.0323.C3.o2.np	Method	AAT/NAP
Start	1464	End	6367
GI	6539580	Score	342
Exons	1464..1502, 1909..2004, 2092..2175, 2272..2471, 6349..6367		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	46585	Seq. ID	OJ000216_07.0323.C3
Gene No.	98917	Strand	-
Start	1596	End	6367
Name	OJ000216_07.0323.C3.o2.gs	Method	GENSCAN
Start	1596	End	6178
GI	none	Score	.72
Exons	1596..1601, 1870..2004, 2092..2190, 2272..2443, 2716..2747, 2829..2948, 3020..3133, 3220..3353, 4696..4747, 5007..5079, 5943..6051, 6118..6178		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98918	Strand	+
Start	978	End	3984
Name	OJ000216_07.0323.C4.o1.gs	Method	GENSCAN
Start	978	End	3984
GI	none	Score	.47
Exons	978..1116, 1501..1619, 1865..2015, 3052..3124, 3818..3984		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98919	Strand	+
Start	7475	End	10426
Name	OJ000216_07.0323.C4.o1.np	Method	AAT/NAP
Start	7475	End	10423
GI	6730651	Score	243
Exons	7475..7507, 9148..9402, 10091..10276, 10313..10423		
GI Descrip.	(AC008262) F4N2.5 [Arabidopsis thaliana]		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98919	Strand	+
Start	7475	End	10426
Name	OJ000216_07.0323.C4.o3.gs	Method	GENSCAN
Start	8866	End	10426
GI	none	Score	.74
Exons	8866..9402, 10085..10426		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98920	Strand	+
Start	16438	End	19473
Name	OJ000216_07.0323.C4.o5.gs	Method	GENSCAN
Start	16438	End	19473

GI	none	Score	.99
Exons	16438..16713, 16817..16951, 17289..17427, 18212..18294, 18378..18437, 19282..19473		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98920	Strand	+
Start	16438	End	19473
Name	OJ000216_07.0323.C4.o3.np	Method	AAT/NAP
Start	16474	End	19386
GI	6730652	Score	325
Exons	16474..16573, 16604..16713, 16817..16951, 17289..17504, 18378..18437, 19282..19386		
GI Descrip.	(AC008262) F4N2.4 [Arabidopsis thaliana]		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98921	Strand	-
Start	6552	End	7417
Name	OJ000216_07.0323.C4.o2.gs	Method	GENSCAN
Start	6552	End	7417
GI	none	Score	.51
Exons	6552..6685, 6759..6828, 7090..7180, 7320..7417		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98922	Strand	-
Start	13029	End	14376
Name	OJ000216_07.0323.C4.o4.gs	Method	GENSCAN
Start	13029	End	14376
GI	none	Score	.68
Exons	13029..13192, 13982..14148, 14185..14206, 14313..14376		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98923	Strand	-
Start	14283	End	17354
Name	OJ000216_07.0323.C4.o2.np	Method	AAT/NAP
Start	14283	End	17006
GI	5042463	Score	139
Exons	14283..14392, 14445..14600, 15262..15470, 16975..17006		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	46586	Seq. ID	OJ000216_07.0323.C4
Gene No.	98923	Strand	-
Start	14283	End	17354
Name	OJ000216_07.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	16603	End	17354
GI	none	Score	97
Exons	16603..16713, 16605..16712, 16814..16960, 16816..16944, 17287..17337, 17289..17354		

Seq. No.	46587	Seq. ID	OJ000216_07.0323.C5
Gene No.	98924	Strand	+
Start	1	End	968
Name	OJ000216_07.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	968
GI	6730652	Score	372
Exons	1..503, 631..831, 927..968		
GI Descrip.	(AC008262) F4N2.4 [Arabidopsis thaliana]		

Seq. No.	46587	Seq. ID	OJ000216_07.0323.C5
Gene No.	98924	Strand	+
Start	1	End	968
Name	OJ000216_07.0323.C5.o1.gs	Method	GENSCAN
Start	63	End	839
GI	none	Score	.53
Exons	63..499, 639..839		

Seq. No.	46587	Seq. ID	OJ000216_07.0323.C5
Gene No.	98924	Strand	+
Start	1	End	968
Name	OJ000216_07.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	434	End	833
GI	none	Score	88
Exons	434..517, 435..518, 635..832, 636..833		

Seq. No.	46587	Seq. ID	OJ000216_07.0323.C5
Gene No.	98924	Strand	+
Start	1	End	968
Name	OJ000216_07.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	635	End	967
GI	none	Score	210
Exons	635..775, 636..830, 932..967		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98925	Strand	+
Start	11783	End	13606
Name	OJ000216_07.0323.C6.o1.np	Method	AAT/NAP
Start	10787	End	13606
GI	7485552	Score	138
Exons	10787..11073, 12959..12983, 13388..13606		
GI Descrip.	hypothetical protein F16G20.150 - Arabidopsis thaliana gi|3451070|emb|CAA20466.1| (AL031326) putative protein [Arabidopsis thaliana] gi|7269193|emb|CAB79300.1| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98925	Strand	+
Start	11783	End	13606
Name	OJ000216_07.0323.C6.o3.gs	Method	GENSCAN
Start	11783	End	13605
GI	none	Score	.97
Exons	11783..11887, 12584..12983, 13589..13605		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98925	Strand	+
Start	11783	End	13606
Name	OJ000216_07.0323.C6.o1.gp	Method	AAT/GAP
Start	12584	End	12636
GI	none	Score	83
Exons	12584..12636		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98926	Strand	+
Start	18645	End	19931
Name	OJ000216_07.0323.C6.o5.gs	Method	GENSCAN
Start	18645	End	19931

GI	none	Score	.44
Exons	18645..18800, 19487..19637, 19756..19931		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98927	Strand	-
Start	8841	End	9023
Name	OJ000216_07.0323.C6.o2.gs	Method	GENSCAN
Start	8841	End	9023
GI	none	Score	.7
Exons	8841..9023		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98928	Strand	-
Start	15707	End	17146
Name	OJ000216_07.0323.C6.o2.gp	Method	AAT/GAP
Start	15607	End	17146
GI	15042_3.R1084	Score	1312
Exons	15607..15952, 16045..16242, 16788..16954, 17065..17146		
GI Descrip.	'6094014/sp|O82528|RL15_PETHY 6.0e-84 60S RIBOSOMAL PROTEIN L15 >gi_3608479 (AF088912) ribosomal protein L15 [Petunia x hybrida]'		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98928	Strand	-
Start	15707	End	17146
Name	OJ000216_07.0323.C6.o4.gs	Method	GENSCAN
Start	15707	End	17068
GI	none	Score	.91
Exons	15707..15952, 16045..16242, 16788..16954, 17065..17068		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98928	Strand	-
Start	15707	End	17146
Name	OJ000216_07.0323.C6.o2.np	Method	AAT/NAP
Start	15710	End	16958
GI	6094014	Score	923
Exons	15710..15952, 16045..16242, 16788..16958		
GI Descrip.	60S RIBOSOMAL PROTEIN L15 gi|3608479 (AF088912) ribosomal protein L15 [Petunia x hybrida]		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98929	Strand	-
Start	19798	End	24310
Name	OJ000216_07.0323.C6.o3.gp	Method	AAT/GAP
Start	19798	End	20465
GI	none	Score	1032
Exons	19798..20280, 20407..20465		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98929	Strand	-
Start	19798	End	24310
Name	OJ000216_07.0323.C6.o6.gs	Method	GENSCAN
Start	20191	End	22145
GI	none	Score	.83
Exons	20191..20280, 20557..20641, 21488..21613, 21686..21729, 21813..21935, 22092..22145		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98929	Strand	-
Start	19798	End	24310
Name	OJ000216_07.0323.C6.o4.gp	Method	AAT/GAP
Start	21466	End	24310
GI	15905_1.R1084	Score	1064
Exons	21466..21613, 21686..21729, 21813..21935, 22014..22152, 24163..24310		
GI Descrip.	'3170570 3.0e-11 (AF058302) FrnE [Streptomyces roseofulvus]'		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o4.tm	Method	TBLASTX:Maize
Start	13343	End	13517
GI	none	Score	202
Exons	13343..13495, 13380..13517, 13381..13503		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	15561	End	16959
GI	none	Score	152
Exons	15561..15596, 15679..15954, 15694..15954, 15707..15967, 15710..15955, 15822..15959, 16043..16198, 16045..16179, 16095..16244, 16150..16245, 16176..16244, 16788..16955, 16789..16959		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	15632	End	16246
GI	none	Score	97
Exons	15632..15955, 15645..15767, 15652..15954, 16043..16201, 16043..16246, 16095..16244, 16144..16245		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	15707	End	16986
GI	none	Score	176
Exons	15707..15955, 15710..15955, 15744..15971, 16043..16201, 16044..16115, 16045..16179, 16095..16244, 16144..16245, 16176..16244, 16788..16853, 16789..16875, 16857..16955, 16858..16986		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	16043	End	16989
GI	none	Score	246
Exons	16043..16201, 16043..16246, 16089..16244, 16144..16245, 16788..16955, 16789..16989, 16900..16974		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	16788	End	17014
GI	none	Score	283
Exons	16788..16955, 16789..16989, 16994..17014		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	20569	End	22161
GI	none	Score	90
Exons	20569..20643, 20578..20640, 20579..20677, 20580..20678, 21461..21616, 21463..21615, 21677..21730, 21685..21765, 21688..21732, 21810..21935, 21814..21936, 21814..21936, 21824..21946, 21824..21946, 21994..22149, 22011..22157, 22012..22161		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	21490	End	22167
GI	none	Score	62
Exons	21490..21588, 21491..21583, 21562..21615, 21563..21616, 21681..21716, 21685..21732, 21852..21929, 21853..21927, 22011..22145, 22015..22161, 22030..22167		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o8.gs	Method	GENSCAN
Start	26721	End	28127
GI	none	Score	.45
Exons	26721..28127		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o3.np	Method	AAT/NAP
Start	26848	End	28142
GI	7489066	Score	225
Exons	26848..27691, 28118..28142		
GI Descrip.	resistance complex protein I2C-2 - tomato gi|2258317|gb|AAB63275.1| (AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		

Seq. No.	46588	Seq. ID	OJ000216_07.0323.C6
Gene No.	98930	Strand	-
Start	26721	End	28142
Name	OJ000216_07.0323.C6.o4.np	Method	AAT/NAP
Start	27153	End	28142
GI	2852684	Score	192
Exons	27153..28142		

GI Descrip. (AF017751) resistance protein candidate [Lactuca sativa]

Seq. No.	46589	Seq. ID	OJ000216_07.0323.C7
Gene No.	98931	Strand	+
Start	2604	End	6217
Name	OJ000216_07.0323.C7.o2.gs	Method	GENSCAN
Start	2604	End	6217
GI	none	Score	.58
Exons	2604..3044, 5023..5237, 5710..5840, 6111..6217		

Seq. No.	46589	Seq. ID	OJ000216_07.0323.C7
Gene No.	98932	Strand	-
Start	1	End	853
Name	OJ000216_07.0323.C7.o1.np	Method	AAT/NAP
Start	1	End	675
GI	7489501	Score	231
Exons	1..675		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792220|gb|AAB96985.1| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	46589	Seq. ID	OJ000216_07.0323.C7
Gene No.	98932	Strand	-
Start	1	End	853
Name	OJ000216_07.0323.C7.o1.gs	Method	GENSCAN
Start	11	End	853
GI	none	Score	.43
Exons	11..853		

Seq. No.	46589	Seq. ID	OJ000216_07.0323.C7
Gene No.	98933	Strand	-
Start	7851	End	9276
Name	OJ000216_07.0323.C7.o2.np	Method	AAT/NAP
Start	7851	End	9276
GI	5852084	Score	85
Exons	7851..8024, 9186..9276		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46589	Seq. ID	OJ000216_07.0323.C7
Gene No.	98933	Strand	-
Start	7851	End	9276
Name	OJ000216_07.0323.C7.o1.tw	Method	TBLASTX:Wheat
Start	8195	End	8587
GI	none	Score	64
Exons	8195..8470, 8447..8542, 8448..8540, 8543..8587		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98934	Strand	+
Start	190	End	1375
Name	OJ000207_27.0406.C1.o1.tm	Method	TBLASTX:Maize
Start	17	End	702
GI	none	Score	171
Exons	17..184, 19..183, 199..702, 222..365, 233..412, 235..495		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98934	Strand	+
Start	190	End	1375

Name	OJ000207_27.0406.C1.o2.tw	Method	TBLASTX:Wheat
Start	40	End	450
GI	none	Score	130
Exons	40..162, 41..178, 223..378, 370..450		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98934	Strand	+
Start	190	End	1375
Name	OJ000207_27.0406.C1.o1.gs	Method	GENSCAN
Start	190	End	1159
GI	none	Score	.52
Exons	190..390, 972..1159		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98934	Strand	+
Start	190	End	1375
Name	OJ000207_27.0406.C1.o1.ts	Method	TBLASTX:Soybean
Start	307	End	834
GI	none	Score	228
Exons	307..660, 649..834		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98934	Strand	+
Start	190	End	1375
Name	OJ000207_27.0406.C1.o1.tw	Method	TBLASTX:Wheat
Start	457	End	1007
GI	none	Score	264
Exons	457..831, 540..812, 826..885, 909..1007		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98934	Strand	+
Start	190	End	1375
Name	OJ000207_27.0406.C1.o2.tm	Method	TBLASTX:Maize
Start	905	End	1375
GI	none	Score	235
Exons	905..1186, 906..1193, 1187..1276, 1294..1374, 1343..1375		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98935	Strand	
Start	1309	End	1844
Name	OJ000207_27.0406.C1.o3.tw	Method	TBLASTX:Wheat
Start	1309	End	1669
GI	none	Score	231
Exons	1309..1656, 1349..1669		

Seq. No.	46590	Seq. ID	OJ000207_27.0406.C1
Gene No.	98935	Strand	
Start	1309	End	1844
Name	OJ000207_27.0406.C1.o3.tm	Method	TBLASTX:Maize
Start	1546	End	1844
GI	none	Score	161
Exons	1546..1653, 1547..1714, 1716..1844		

Seq. No.	46591	Seq. ID	OJ000207_27.0406.C2
Gene No.	98936	Strand	+
Start	3105	End	4138
Name	OJ000207_27.0406.C2.o1.gs	Method	GENSCAN

Start	3105	End	4138
GI	none	Score	.64
Exons	3105..3228, 3508..3616, 3658..3795, 3948..4138		

Seq. No.	46591	Seq. ID	OJ000207_27.0406.C2
Gene No.	98937	Strand	-
Start	9572	End	10050
Name	OJ000207_27.0406.C2.o3.gs	Method	GENSCAN
Start	9572	End	10050
GI	none	Score	.98
Exons	9572..9771, 9999..10050		

Seq. No.	46592	Seq. ID	OJ000207_27.0406.C3
Gene No.	98938	Strand	+
Start	695	End	5236
Name	OJ000207_27.0406.C3.o1.gs	Method	GENSCAN
Start	695	End	3547
GI	none	Score	.67
Exons	695..1079, 1343..1519, 1551..2102, 2945..3068, 3161..3252, 3297..3547		

Seq. No.	46592	Seq. ID	OJ000207_27.0406.C3
Gene No.	98938	Strand	+
Start	695	End	5236
Name	OJ000207_27.0406.C3.o1.np	Method	AAT/NAP
Start	695	End	1429
GI	7248393	Score	376
Exons	695..973, 1016..1063, 1095..1429		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46592	Seq. ID	OJ000207_27.0406.C3
Gene No.	98938	Strand	+
Start	695	End	5236
Name	OJ000207_27.0406.C3.o2.np	Method	AAT/NAP
Start	2710	End	5236
GI	7340881	Score	640
Exons	2710..2796, 2945..3068, 3161..3246, 3312..3612, 4983..5103, 5209..5236		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	46592	Seq. ID	OJ000207_27.0406.C3
Gene No.	98939	Strand	+
Start	5802	End	7262
Name	OJ000207_27.0406.C3.o2.gs	Method	GENSCAN
Start	5802	End	7203
GI	none	Score	.72
Exons	5802..6602, 6913..7203		

Seq. No.	46592	Seq. ID	OJ000207_27.0406.C3
Gene No.	98939	Strand	+
Start	5802	End	7262
Name	OJ000207_27.0406.C3.o3.np	Method	AAT/NAP
Start	5802	End	6658
GI	5042448	Score	1496
Exons	5802..6658		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	46592	Seq. ID	OJ000207_27.0406.C3
Gene No.	98939	Strand	+
Start	5802	End	7262
Name	OJ000207_27.0406.C3.o4.np	Method	AAT/NAP
Start	6913	End	7262
GI	5042447	Score	614
Exons	6913..7262		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98940	Strand	+
Start	78	End	175
Name	OJ000207_27.0406.C6.o1.gs	Method	GENSCAN
Start	78	End	175
GI	none	Score	.98
Exons	78..175		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98941	Strand	+
Start	1499	End	1819
Name	OJ000207_27.0406.C6.o1.gp	Method	AAT/GAP
Start	1499	End	1819
GI	2569_2.R1084	Score	414
Exons	1499..1819		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98942	Strand	+
Start	2772	End	4046
Name	OJ000207_27.0406.C6.o1.np	Method	AAT/NAP
Start	2772	End	4046
GI	5042443	Score	2162
Exons	2772..4046		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98943	Strand	+
Start	6048	End	6771
Name	OJ000207_27.0406.C6.o2.gp	Method	AAT/GAP
Start	6048	End	6621
GI	2798600	Score	586
Exons	6048..6216, 6310..6478, 6570..6621		
GI Descrip.	2407268/gb|AF017357|AF017357 1.0e-142 Oryza sativa low molecular early light-inducible protein mRNA, complete cds		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98943	Strand	+
Start	6048	End	6771
Name	OJ000207_27.0406.C6.o2.np	Method	AAT/NAP
Start	6073	End	6771
GI	5042444	Score	966
Exons	6073..6216, 6310..6771		
GI Descrip.	(AC007789) putative low molecular early light-inducible protein [Oryza sativa]		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98944	Strand	-
Start	6471	End	6916
Name	OJ000207_27.0406.C6.o3.gp	Method	AAT/GAP
Start	6471	End	6916
GI	uC-osflcyp176h04b1	Score	851
Exons	6471..6916		
GI Descrip.	'5042444/gb|AAD38281.1|AC007789_7 5.0e-32 (AC007789) putative low molecular early light-inducible protein [Oryza sativa]'		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o3.tm	Method	TBLASTX:Maize
Start	1922	End	2216
GI	none	Score	148
Exons	1922..2005, 1996..2157, 2013..2153, 2079..2186, 2147..2206, 2160..2216		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	1936	End	2250
GI	none	Score	218
Exons	1936..2001, 2010..2210, 2020..2214, 2206..2250		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o1.tc	Method	TBLASTX:Cress
Start	1996	End	2214
GI	none	Score	188
Exons	1996..2214, 2013..2213		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o2.tc	Method	TBLASTX:Cress
Start	6438	End	6765
GI	none	Score	152
Exons	6438..6536, 6439..6555, 6621..6764, 6634..6765		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o2.ts	Method	TBLASTX:Soybean
Start	6438	End	6765
GI	none	Score	160
Exons	6438..6551, 6439..6555, 6624..6752, 6634..6765		

Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o2.tm	Method	TBLASTX:Maize
Start	6460	End	6774
GI	none	Score	332

Exons	6460..6555, 6465..6767, 6466..6774		
Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o4.gs	Method	GENSCAN
Start	9098	End	15872
GI	none	Score	.47
Exons	9098..9959, 10991..11112, 11314..11342, 11671..11754, 12218..12244, 12550..12617, 12637..12700, 12744..13039, 13116..13280, 15229..15872		
Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o3.np	Method	AAT/NAP
Start	9101	End	15872
GI	5042445	Score	3707
Exons	9101..9737, 10991..11112, 11314..11342, 11671..11754, 12218..12244, 12550..12700, 12814..13280, 14568..14737, 15229..15872		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		
Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	9135	End	12829
GI	none	Score	180
Exons	9135..9284, 9137..9286, 9140..9313, 9145..9318, 9271..9339, 9287..9346, 9365..9523, 9374..9526, 9375..9527, 9535..9642, 9579..9662, 9585..9644, 10976..11113, 10983..11123, 10990..11115, 10991..11131, 12488..12619, 12531..12641, 12547..12618, 12742..12828, 12743..12829		
Seq. No.	46593	Seq. ID	OJ000207_27.0406.C6
Gene No.	98945	Strand	-
Start	9098	End	15872
Name	OJ000207_27.0406.C6.o4.gp	Method	AAT/GAP
Start	9578	End	12883
GI	99198_1.R1084	Score	671
Exons	9578..9644, 10991..11112, 12550..12617, 12744..12883		
GI Descrip.	'5042445/gb|AAD38282.1|AC007789_8 5.0e-09 (AC007789) hypothetical protein [Oryza sativa]'		
Seq. No.	46594	Seq. ID	OJ000207_27.0406.C20
Gene No.	98946	Strand	+
Start	1	End	880
Name	OJ000207_27.0406.C20.o1.np	Method	AAT/NAP
Start	1	End	880
GI	7487707	Score	174
Exons	1..41, 173..237, 326..389, 670..880		
GI Descrip.	hypothetical protein T5J17.40 - Arabidopsis thaliana gi|4490738|emb|CAB38900.1| (AL035708) putative protein [Arabidopsis thaliana] gi|7271042|emb|CAB80650.1| (AL161596) putative protein [Arabidopsis thaliana]		

Seq. No.	46594	Seq. ID	OJ000207_27.0406.C20
Gene No.	98946	Strand	+
Start	1	End	880
Name	OJ000207_27.0406.C20.o1.tm	Method	TBLASTX:Maize
Start	155	End	758
GI	none	Score	74
Exons	155..235, 156..236, 156..236, 157..237, 161..238, 319..387, 323..391, 324..392, 325..390, 652..756, 660..758, 669..758		

Seq. No.	46594	Seq. ID	OJ000207_27.0406.C20
Gene No.	98946	Strand	+
Start	1	End	880
Name	OJ000207_27.0406.C20.o2.gp	Method	AAT/GAP
Start	157	End	587
GI	uC-osroM202028a08b1	Score	222
Exons	157..237, 326..400, 561..587		
GI Descrip.	'4490738/emb|CAB38900.1| 1.0e-17 (AL035708) putative protein [Arabidopsis thaliana]'		

Seq. No.	46594	Seq. ID	OJ000207_27.0406.C20
Gene No.	98946	Strand	+
Start	1	End	880
Name	OJ000207_27.0406.C20.o1.gp	Method	AAT/GAP
Start	158	End	394
GI	uC-osroM202028a08b1	Score	229
Exons	158..237, 326..394		
GI Descrip.	'4490738/emb|CAB38900.1| 1.0e-17 (AL035708) putative protein [Arabidopsis thaliana]'		

Seq. No.	46595	Seq. ID	OJ000207_27.0406.C21
Gene No.	98947	Strand	-
Start	6344	End	7480
Name	OJ000207_27.0406.C21.o2.gs	Method	GENSCAN
Start	6344	End	6981
GI	none	Score	.63
Exons	6344..6460, 6610..6736, 6857..6981		

Seq. No.	46595	Seq. ID	OJ000207_27.0406.C21
Gene No.	98947	Strand	-
Start	6344	End	7480
Name	OJ000207_27.0406.C21.o1.np	Method	AAT/NAP
Start	6615	End	7480
GI	5042438	Score	324
Exons	6615..6736, 6857..6991, 7458..7480		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98948	Strand	+
Start	7015	End	8317
Name	OJ000207_27.0406.C22.o3.gs	Method	GENSCAN
Start	7015	End	8280
GI	none	Score	.61
Exons	7015..7236, 7664..7769, 7784..7844, 7935..8280		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98948	Strand	+
Start	7015	End	8317

Name	OJ000207_27.0406.C22.o4.np	Method	AAT/NAP
Start	7015	End	8317
GI	5042439	Score	1088
Exons	7015..7236, 7784..7844, 7935..8317		
GI Descrip.	(AC007789) putative DNA-binding protein [Oryza sativa]		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98949	Strand	+
Start	8999	End	10667
Name	OJ000207_27.0406.C22.o4.gs	Method	GENSCAN
Start	8999	End	10667
GI	none	Score	.54
Exons	8999..9147, 9807..9853, 10211..10462, 10654..10667		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98949	Strand	+
Start	8999	End	10667
Name	OJ000207_27.0406.C22.o5.np	Method	AAT/NAP
Start	8999	End	10580
GI	5042440	Score	905
Exons	8999..9147, 9807..9853, 10211..10580		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98950	Strand	+
Start	12913	End	13287
Name	OJ000207_27.0406.C22.o5.gs	Method	GENSCAN
Start	12913	End	13128
GI	none	Score	.46
Exons	12913..13128		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98950	Strand	+
Start	12913	End	13287
Name	OJ000207_27.0406.C22.o6.np	Method	AAT/NAP
Start	12913	End	13287
GI	5042441	Score	447
Exons	12913..13128, 13231..13287		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98951	Strand	-
Start	1	End	1831
Name	OJ000207_27.0406.C22.o1.np	Method	AAT/NAP
Start	1	End	1590
GI	5042438	Score	2113
Exons	1..1250, 1472..1590		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98951	Strand	-
Start	1	End	1831
Name	OJ000207_27.0406.C22.o1.gs	Method	GENSCAN
Start	35	End	1831
GI	none	Score	.53
Exons	35..1235, 1761..1831		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98952	Strand	-
Start	3095	End	6675
Name	OJ000207_27.0406.C22.o2.gs	Method	GENSCAN
Start	3095	End	6675
GI	none	Score	.7
Exons	3095..3120, 3576..3691, 3812..3936, 4199..4220, 4496..5896, 6440..6519, 6631..6675		

Seq. No.	46596	Seq. ID	OJ000207_27.0406.C22
Gene No.	98952	Strand	-
Start	3095	End	6675
Name	OJ000207_27.0406.C22.o3.np	Method	AAT/NAP
Start	3098	End	6675
GI	5042438	Score	3049
Exons	3098..3120, 3576..3691, 3812..3936, 4180..4220, 4496..5896, 6440..6519, 6631..6675		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	46597	Seq. ID	OJ000207_27.0406.C23
Gene No.	98953	Strand	-
Start	1	End	1753
Name	OJ000207_27.0406.C23.o1.np	Method	AAT/NAP
Start	1	End	1753
GI	5042442	Score	1175
Exons	1..70, 150..292, 395..595, 713..841, 1550..1753		
GI Descrip.	(AC007789) putative CREB-binding protein [Oryza sativa]		

Seq. No.	46597	Seq. ID	OJ000207_27.0406.C23
Gene No.	98953	Strand	-
Start	1	End	1753
Name	OJ000207_27.0406.C23.o1.ts	Method	TBLASTX:Soybean
Start	134	End	1687
GI	none	Score	122
Exons	134..292, 138..293, 156..293, 392..502, 396..494, 500..547, 548..598, 704..835, 711..836, 1547..1687		

Seq. No.	46597	Seq. ID	OJ000207_27.0406.C23
Gene No.	98953	Strand	-
Start	1	End	1753
Name	OJ000207_27.0406.C23.o1.tm	Method	TBLASTX:Maize
Start	197	End	1750
GI	none	Score	132
Exons	197..292, 198..293, 198..293, 199..294, 392..598, 396..596, 397..636, 704..841, 708..842, 711..842, 1546..1740, 1547..1744, 1625..1750		

Seq. No.	46597	Seq. ID	OJ000207_27.0406.C23
Gene No.	98953	Strand	-
Start	1	End	1753
Name	OJ000207_27.0406.C23.o1.gs	Method	GENSCAN
Start	257	End	1708
GI	none	Score	.94
Exons	257..292, 395..595, 1550..1708		

Seq. No.	46597	Seq. ID	OJ000207_27.0406.C23
Gene No.	98953	Strand	-

Start	1	End	1753
Name	OJ000207_27.0406.C23.o1.tc	Method	TBLASTX:Cress
Start	452	End	1744
GI	none	Score	101
Exons	452..598, 453..596, 454..621, 711..842, 1547..1744	533..622, 707..841, 708..842,	

Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98954	Strand	+
Start	9288	End	10459
Name	OJ000207_27.0406.C33.o3.gs	Method	GENSCAN
Start	9288	End	10459
GI	none	Score	.96
Exons	9288..9401, 10265..10459		

Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98955	Strand	-
Start	1276	End	2357
Name	OJ000207_27.0406.C33.o1.gs	Method	GENSCAN
Start	1276	End	2357
GI	none	Score	.62
Exons	1276..1282, 1839..1965, 2030..2357		

Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98956	Strand	-
Start	3650	End	6824
Name	OJ000207_27.0406.C33.o2.gs	Method	GENSCAN
Start	3650	End	6824
GI	none	Score	.84
Exons	3650..4390, 4540..4653, 4742..5071, 5183..5362, 5574..5678, 5772..5967, 6583..6824		

Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98956	Strand	-
Start	3650	End	6824
Name	OJ000207_27.0406.C33.o1.np	Method	AAT/NAP
Start	3653	End	5410
GI	5042446	Score	2327
Exons	3653..4390, 4540..4653, 4742..5071, 5183..5410		
GI Descrip.	(AC007789) putative WRKY DNA binding protein [Oryza sativa]		

Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98956	Strand	-
Start	3650	End	6824
Name	OJ000207_27.0406.C33.o2.gp	Method	AAT/GAP
Start	4968	End	5693
GI	11954_1.R1084	Score	707
Exons	4968..5071, 5183..5362, 5574..5693		
GI Descrip.	'3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98957	Strand	-
Start	10925	End	13744
Name	OJ000207_27.0406.C33.o1.ts	Method	TBLASTX:Soybean
Start	4115	End	5365
GI	none	Score	99

Exons	4115..4237, 4116..4238, 4239..4394, 4328..4402, 4519..4653, 4538..4654, 4737..4784, 4739..4813, 5238..5363, 5246..5365		
Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98957	Strand	-
Start	10925	End	13744
Name	OJ000207_27.0406.C33.o1.tc	Method	TBLASTX:Cress
Start	4233	End	4807
GI	none	Score	112
Exons	4233..4394, 4328..4402, 4519..4653, 4538..4654, 4557..4658, 4737..4784, 4739..4807		
Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98957	Strand	-
Start	10925	End	13744
Name	OJ000207_27.0406.C33.o2.tw	Method	TBLASTX:Wheat
Start	4317	End	11300
GI	none	Score	104
Exons	4317..4397, 4320..4391, 4328..4402, 4519..4671, 4520..4672, 11187..11300		
Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98957	Strand	-
Start	10925	End	13744
Name	OJ000207_27.0406.C33.o1.tm	Method	TBLASTX:Maize
Start	4486	End	4662
GI	none	Score	72
Exons	4486..4662, 4496..4648		
Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98957	Strand	-
Start	10925	End	13744
Name	OJ000207_27.0406.C33.o1.tw	Method	TBLASTX:Wheat
Start	5580	End	6098
GI	none	Score	54
Exons	5580..5675, 5632..5676, 5769..5798, 5773..5799, 5850..5912, 5964..6032, 5968..6039, 6036..6098, 6044..6097		
Seq. No.	46598	Seq. ID	OJ000207_27.0406.C33
Gene No.	98957	Strand	-
Start	10925	End	13744
Name	OJ000207_27.0406.C33.o4.gs	Method	GENSCAN
Start	10925	End	13744
GI	none	Score	.78
Exons	10925..11056, 12002..12085, 13544..13744		
Seq. No.	46599	Seq. ID	OJ000207_27.0406.C35
Gene No.	98958	Strand	-
Start	186	End	298
Name	OJ000207_27.0406.C35.o1.gs	Method	GENSCAN
Start	186	End	298
GI	none	Score	.91
Exons	186..298		
Seq. No.	46600	Seq. ID	OJ000207_27.0406.C36
Gene No.	98959	Strand	+
Start	436	End	705

Name	OJ000207_27.0406.C36.o1.np	Method	AAT/NAP
Start	436	End	705
GI	4581139	Score	155
Exons	436..522, 606..705		
GI Descrip.	(AC006919) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	46601	Seq. ID	OJ000207_27.0406.C37
Gene No.	98960	Strand	+
Start	97	End	288
Name	OJ000207_27.0406.C37.o1.gs	Method	GENSCAN
Start	97	End	288
GI	none	Score	.65
Exons	97..288		

Seq. No.	46602	Seq. ID	OJ000207_27.0406.C40
Gene No.	98961	Strand	+
Start	206	End	2132
Name	OJ000207_27.0406.C40.o1.gs	Method	GENSCAN
Start	206	End	2132
GI	none	Score	.69
Exons	206..286, 1309..1386, 1642..1659, 2034..2132		

Seq. No.	46602	Seq. ID	OJ000207_27.0406.C40
Gene No.	98962	Strand	-
Start	2940	End	4383
Name	OJ000207_27.0406.C40.o2.gs	Method	GENSCAN
Start	2940	End	4336
GI	none	Score	.99
Exons	2940..3131, 3621..3754, 3853..4107, 4186..4336		

Seq. No.	46602	Seq. ID	OJ000207_27.0406.C40
Gene No.	98962	Strand	-
Start	2940	End	4383
Name	OJ000207_27.0406.C40.o1.np	Method	AAT/NAP
Start	2943	End	4383
GI	5042449	Score	1235
Exons	2943..3131, 3621..3754, 3853..4107, 4186..4383		
GI Descrip.	(AC007789) putative protein kinase [Oryza sativa]		

Seq. No.	46602	Seq. ID	OJ000207_27.0406.C40
Gene No.	98962	Strand	-
Start	2940	End	4383
Name	OJ000207_27.0406.C40.o1.tm	Method	TBLASTX:Maize
Start	3618	End	4372
GI	none	Score	66
Exons	3618..3758, 3628..3759, 3854..4099, 3855..4076, 4187..4372		

Seq. No.	46602	Seq. ID	OJ000207_27.0406.C40
Gene No.	98962	Strand	-
Start	2940	End	4383
Name	OJ000207_27.0406.C40.o1.tc	Method	TBLASTX:Cress
Start	3657	End	4375
GI	none	Score	103
Exons	3657..3758, 3854..4093, 3924..4076, 4184..4375		

Seq. No.	46602	Seq. ID	OJ000207_27.0406.C40
Gene No.	98962	Strand	-

Start	2940	End	4383
Name	OJ000207_27.0406.C40.o1.ts	Method	TBLASTX:Soybean
Start	3660	End	4375
GI	none	Score	130
Exons	3660..3758, 3854..4093, 3855..4085, 4184..4375, 4185..4316		

Seq. No.	46602	Seq. ID	OJ000207_27.0406.C40
Gene No.	98962	Strand	-
Start	2940	End	4383
Name	OJ000207_27.0406.C40.o1.tw	Method	TBLASTX:Wheat
Start	3666	End	4084
GI	none	Score	118
Exons	3666..3758, 3854..4084, 3855..4064		

Seq. No.	46603	Seq. ID	OJ000307_14.0405.C1
Gene No.	98963	Strand	-
Start	1	End	530
Name	OJ000307_14.0405.C1.o1.np	Method	AAT/NAP
Start	1	End	530
GI	4582447	Score	261
Exons	1..530		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	46603	Seq. ID	OJ000307_14.0405.C1
Gene No.	98964	Strand	-
Start	1090	End	1410
Name	OJ000307_14.0405.C1.o1.tw	Method	TBLASTX:Wheat
Start	106	End	396
GI	none	Score	105
Exons	106..396, 107..394		

Seq. No.	46603	Seq. ID	OJ000307_14.0405.C1
Gene No.	98964	Strand	-
Start	1090	End	1410
Name	OJ000307_14.0405.C1.o1.gs	Method	GENSCAN
Start	1090	End	1410
GI	none	Score	.77
Exons	1090..1410		

Seq. No.	46604	Seq. ID	OJ000307_14.0405.C2
Gene No.	98965	Strand	+
Start	1145	End	4537
Name	OJ000307_14.0405.C2.o1.np	Method	AAT/NAP
Start	1145	End	4537
GI	6225822	Score	390
Exons	1145..1277, 3177..3430, 4500..4537		
GI Descrip.	POLYAMINE OXIDASE PRECURSOR gi|3043529|emb|CAA05249| (AJ002204) polyamine oxidase [Zea mays]		

Seq. No.	46604	Seq. ID	OJ000307_14.0405.C2
Gene No.	98965	Strand	+
Start	1145	End	4537
Name	OJ000307_14.0405.C2.o1.tm	Method	TBLASTX:Maize
Start	1228	End	3455
GI	none	Score	395
Exons	1228..1281, 3173..3427, 3175..3426, 3185..3430, 3186..3455,		

3187..3432

Seq. No.	46604	Seq. ID	OJ000307_14.0405.C2
Gene No.	98965	Strand	+
Start	1145	End	4537
Name	OJ000307_14.0405.C2.o1.ts	Method	TBLASTX:Soybean
Start	3173	End	3356
GI	none	Score	187
Exons	3173..3355, 3175..3348, 3176..3349, 3177..3356		

Seq. No.	46605	Seq. ID	OJ000307_14.0405.C3
Gene No.	98966	Strand	+
Start	1	End	1704
Name	OJ000307_14.0405.C3.o1.np	Method	AAT/NAP
Start	1	End	1704
GI	6730082	Score	121
Exons	1..293, 1680..1704		
GI Descrip.	Chain A, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase gi|6730083|pdb|1B37|B Chain B, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase gi|6730084|pdb|1B37|C Chain C, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase		

Seq. No.	46605	Seq. ID	OJ000307_14.0405.C3
Gene No.	98966	Strand	+
Start	1	End	1704
Name	OJ000307_14.0405.C3.o1.gs	Method	GENSCAN
Start	146	End	318
GI	none	Score	.74
Exons	146..318		

Seq. No.	46606	Seq. ID	OJ000307_14.0405.C4
Gene No.	98967	Strand	-
Start	606	End	711
Name	OJ000307_14.0405.C4.o1.gs	Method	GENSCAN
Start	606	End	711
GI	none	Score	.55
Exons	606..711		

Seq. No.	46607	Seq. ID	OJ000307_14.0405.C5
Gene No.	98968	Strand	+
Start	1	End	694
Name	OJ000307_14.0405.C5.o1.np	Method	AAT/NAP
Start	1	End	694
GI	6730082	Score	448
Exons	1..214, 368..449, 614..694		
GI Descrip.	Chain A, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase gi|6730083|pdb|1B37|B Chain B, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase gi|6730084|pdb|1B37|C Chain C, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase		

Seq. No.	46607	Seq. ID	OJ000307_14.0405.C5
Gene No.	98968	Strand	+
Start	1	End	694

Name	OJ000307_14.0405.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	693
GI	none	Score	214
Exons	2..142, 3..143, 142..213, 143..214, 143..214, 144..224, 364..453, 365..454, 366..461, 371..469, 372..461, 606..644, 610..645, 647..685, 655..693		

Seq. No.	46608	Seq. ID	OJ000307_14.0405.C6
Gene No.	98969	Strand	-
Start	717	End	2684
Name	OJ000307_14.0405.C6.o1.gs	Method	GENSCAN
Start	717	End	2684
GI	none	Score	.4
Exons	717..842, 2542..2684		

Seq. No.	46609	Seq. ID	OJ000307_14.0405.C7
Gene No.	98970	Strand	+
Start	810	End	1301
Name	OJ000307_14.0405.C7.o1.gs	Method	GENSCAN
Start	810	End	1301
GI	none	Score	.92
Exons	810..819, 1228..1301		

Seq. No.	46609	Seq. ID	OJ000307_14.0405.C7
Gene No.	98971	Strand	+
Start	5743	End	10805
Name	OJ000307_14.0405.C7.o3.gs	Method	GENSCAN
Start	5743	End	10782
GI	none	Score	.52
Exons	5743..5951, 6051..6251, 6277..6331, 7541..7718, 10533..10782		

Seq. No.	46609	Seq. ID	OJ000307_14.0405.C7
Gene No.	98971	Strand	+
Start	5743	End	10805
Name	OJ000307_14.0405.C7.o2.np	Method	AAT/NAP
Start	7583	End	10805
GI	6225822	Score	375
Exons	7583..7718, 10533..10805		
GI Descrip.	POLYAMINE OXIDASE PRECURSOR gi|3043529|emb|CAA05249| (AJ002204) polyamine oxidase [Zea mays]		

Seq. No.	46609	Seq. ID	OJ000307_14.0405.C7
Gene No.	98972	Strand	-
Start	1	End	746
Name	OJ000307_14.0405.C7.o1.np	Method	AAT/NAP
Start	1	End	746
GI	6907088	Score	568
Exons	1..53, 195..432, 609..746		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46609	Seq. ID	OJ000307_14.0405.C7
Gene No.	98973	Strand	-
Start	2126	End	4389
Name	OJ000307_14.0405.C7.o2.gs	Method	GENSCAN
Start	2126	End	4389
GI	none	Score	.46
Exons	2126..2671, 2766..2821, 3031..3086, 4310..4389		

Seq. No.	46609	Seq. ID	OJ000307_14.0405.C7
Gene No.	98974	Strand	
Start	7669	End	10788
Name	OJ000307_14.0405.C7.o1.tm	Method	TBLASTX:Maize
Start	7669	End	10788
GI	none	Score	369
Exons	7669..7722, 10529..10783, 10531..10782, 10535..10786, 10537..10788		

Seq. No.	46609	Seq. ID	OJ000307_14.0405.C7
Gene No.	98974	Strand	
Start	7669	End	10788
Name	OJ000307_14.0405.C7.o1.ts	Method	TBLASTX:Soybean
Start	10524	End	10716
GI	none	Score	105
Exons	10524..10706, 10529..10711, 10531..10704, 10532..10705, 10582..10716		

Seq. No.	46610	Seq. ID	OJ000307_14.0405.C8
Gene No.	98975	Strand	+
Start	2504	End	4738
Name	OJ000307_14.0405.C8.o1.tm	Method	TBLASTX:Maize
Start	2490	End	4738
GI	none	Score	179
Exons	2490..2648, 2495..2647, 2525..2650, 3215..3424, 3216..3425, 3416..3472, 3558..3707, 3562..3708, 3562..3708, 3826..3975, 3829..3975, 3830..3976, 3831..3989, 3843..3989, 4044..4310, 4050..4229, 4052..4309, 4144..4314, 4241..4321, 4416..4505, 4417..4518, 4423..4509, 4634..4738, 4636..4734, 4637..4735		

Seq. No.	46610	Seq. ID	OJ000307_14.0405.C8
Gene No.	98975	Strand	+
Start	2504	End	4738
Name	OJ000307_14.0405.C8.o1.np	Method	AAT/NAP
Start	2504	End	4720
GI	6730082	Score	1449
Exons	2504..2650, 3212..3467, 3565..3708, 3826..3975, 4053..4310, 4420..4501, 4644..4720		
GI Descrip.	Chain A, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase gi|6730083|pdb|1B37|B Chain B, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase gi|6730084|pdb|1B37|C Chain C, A 30 Angstrom U-Shaped Catalytic Tunnel In The Crystal Structure Of Polyamine Oxidase		

Seq. No.	46610	Seq. ID	OJ000307_14.0405.C8
Gene No.	98975	Strand	+
Start	2504	End	4738
Name	OJ000307_14.0405.C8.o1.gs	Method	GENSCAN
Start	2541	End	4723
GI	none	Score	.57
Exons	2541..2650, 3212..3567, 3826..4310, 4420..4501, 4644..4723		

Seq. No.	46610	Seq. ID	OJ000307_14.0405.C8
Gene No.	98975	Strand	+
Start	2504	End	4738

Name	OJ000307_14.0405.C8.o1.ts	Method	TBLASTX:Soybean
Start	3646	End	4503
GI	none	Score	69
Exons	3646..3708, 3651..3707, 3829..3975, 3831..3974, 4050..4184, 4058..4183, 4194..4277, 4322..4357, 4417..4503, 4419..4502		

Seq. No.	46610	Seq. ID	OJ000307_14.0405.C8
Gene No.	98975	Strand	+
Start	2504	End	4738
Name	OJ000307_14.0405.C8.o1.tc	Method	TBLASTX:Cress
Start	3904	End	4455
GI	none	Score	89
Exons	3904..3975, 4050..4184, 4197..4277, 4199..4258, 4417..4455		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98976	Strand	+
Start	780	End	1696
Name	OJ000307_14.0405.C9.o1.gs	Method	GENSCAN
Start	780	End	1696
GI	none	Score	.83
Exons	780..892, 956..1235, 1487..1696		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98977	Strand	-
Start	2330	End	3585
Name	OJ000307_14.0405.C9.o2.gs	Method	GENSCAN
Start	2330	End	3585
GI	none	Score	.77
Exons	2330..2404, 2795..2864, 3518..3585		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98978	Strand	-
Start	4012	End	5437
Name	OJ000307_14.0405.C9.o1.np	Method	AAT/NAP
Start	4012	End	5437
GI	5852084	Score	75
Exons	4012..4095, 5419..5437		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98979	Strand	-
Start	6614	End	7036
Name	OJ000307_14.0405.C9.o1.gp	Method	AAT/GAP
Start	6614	End	7036
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	6614..6701, 7006..7036		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o1.tm	Method	TBLASTX:Maize
Start	7244	End	7903
GI	none	Score	47
Exons	7244..7465, 7401..7466, 7496..7903, 7554..7703, 7761..7901		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o2.np	Method	AAT/NAP
Start	7244	End	9034
GI	7444451	Score	2325
Exons	7244..9034		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o3.tc	Method	TBLASTX:Cress
Start	7268	End	7720
GI	none	Score	64
Exons	7268..7462, 7490..7618, 7491..7619, 7628..7720		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o1.ts	Method	TBLASTX:Soybean
Start	7295	End	7891
GI	none	Score	202
Exons	7295..7891, 7302..7703, 7764..7889		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o1.tw	Method	TBLASTX:Wheat
Start	7655	End	8092
GI	none	Score	54
Exons	7655..8092, 7663..7695, 7770..8051, 7820..8092		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o2.tc	Method	TBLASTX:Cress
Start	7958	End	8209
GI	none	Score	70
Exons	7958..8209, 7967..8146		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o2.tm	Method	TBLASTX:Maize
Start	8027	End	8473
GI	none	Score	104
Exons	8027..8473, 8304..8453		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o2.tw	Method	TBLASTX:Wheat
Start	8093	End	8606

GI	none	Score	92
Exons	8093..8269, 8261..8605, 8301..8453, 8508..8606		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o2.ts	Method	TBLASTX:Soybean
Start	8270	End	8788
GI	5509260	Score	130
Exons	8270..8788, 8283..8447, 8493..8648		
GI Descrip.	-		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o1.tc	Method	TBLASTX:Cress
Start	8387	End	8648
GI	none	Score	145
Exons	8387..8647, 8406..8648		

Seq. No.	46611	Seq. ID	OJ000307_14.0405.C9
Gene No.	98980	Strand	-
Start	7244	End	9034
Name	OJ000307_14.0405.C9.o3.tm	Method	TBLASTX:Maize
Start	8474	End	8726
GI	none	Score	138
Exons	8474..8725, 8475..8726		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o1.np	Method	AAT/NAP
Start	1	End	1767
GI	7444451	Score	2010
Exons	1..1767		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o2.tw	Method	TBLASTX:Wheat
Start	3	End	383
GI	none	Score	103
Exons	3..170, 195..383, 202..354		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o3.tm	Method	TBLASTX:Maize
Start	3	End	380
GI	none	Score	120
Exons	3..170, 192..380		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-

Start	1	End	1767
Name	OJ000307_14.0405.C10.o2.ts	Method	TBLASTX:Soybean
Start	6	End	185
GI	none	Score	112
Exons	6..185, 7..147		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o1.ts	Method	TBLASTX:Soybean
Start	192	End	603
GI	none	Score	163
Exons	192..362, 385..603		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o1.gs	Method	GENSCAN
Start	209	End	1644
GI	none	Score	.49
Exons	209..382, 882..1644		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o1.tw	Method	TBLASTX:Wheat
Start	669	End	1062
GI	none	Score	41
Exons	669..815, 670..834, 671..835, 829..1062, 841..1020, 908..1027		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o2.tm	Method	TBLASTX:Maize
Start	880	End	1125
GI	none	Score	68
Exons	880..1002, 880..1125, 899..1033		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o3.tw	Method	TBLASTX:Wheat
Start	1276	End	1626
GI	none	Score	85
Exons	1276..1461, 1434..1547, 1456..1626, 1458..1547		

Seq. No.	46612	Seq. ID	OJ000307_14.0405.C10
Gene No.	98981	Strand	-
Start	1	End	1767
Name	OJ000307_14.0405.C10.o1.tm	Method	TBLASTX:Maize
Start	1426	End	1735
GI	none	Score	210
Exons	1426..1461, 1433..1726, 1435..1734, 1438..1728, 1466..1735		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98982	Strand	+
Start	6432	End	7906

Name	OJ000307_14.0405.C12.o2.gs	Method	GENSCAN
Start	6432	End	7906
GI	none	Score	.68
Exons	6432..6623, 7570..7737, 7895..7906		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98983	Strand	+
Start	8943	End	11842
Name	OJ000307_14.0405.C12.o3.gp	Method	AAT/GAP
Start	8846	End	9405
GI	23588_1.R1084	Score	1073
Exons	8846..9405		
GI Descrip.	'4468796/emb|CAB38120| 2.0e-51 (AJ010439) GST6 protein [Zea mays]'		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98983	Strand	+
Start	8943	End	11842
Name	OJ000307_14.0405.C12.o3.np	Method	AAT/NAP
Start	8888	End	10196
GI	5777617	Score	84
Exons	8888..8971, 10077..10196		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98983	Strand	+
Start	8943	End	11842
Name	OJ000307_14.0405.C12.o2.np	Method	AAT/NAP
Start	8937	End	9626
GI	4468796	Score	775
Exons	8937..9626		
GI Descrip.	(AJ010439) GST6 protein [Zea mays]		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98983	Strand	+
Start	8943	End	11842
Name	OJ000307_14.0405.C12.o3.gs	Method	GENSCAN
Start	8943	End	11842
GI	none	Score	.47
Exons	8943..9625, 10342..10923, 11162..11363, 11813..11842		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98984	Strand	-
Start	2573	End	3765
Name	OJ000307_14.0405.C12.o1.gp	Method	AAT/GAP
Start	2229	End	2718
GI	none	Score	938
Exons	2229..2718		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98984	Strand	-
Start	2573	End	3765
Name	OJ000307_14.0405.C12.o1.gs	Method	GENSCAN
Start	2573	End	3765
GI	none	Score	.53
Exons	2573..2744, 2758..3562, 3756..3765		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98984	Strand	-
Start	2573	End	3765
Name	OJ000307_14.0405.C12.o1.np	Method	AAT/NAP
Start	2588	End	3230
GI	6573767	Score	123
Exons	2588..2744, 2827..3061, 3116..3230		
GI Descrip.	(AC009243) F28K19.24 [Arabidopsis thaliana]		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98984	Strand	-
Start	2573	End	3765
Name	OJ000307_14.0405.C12.o2.gp	Method	AAT/GAP
Start	2809	End	2979
GI	none	Score	248
Exons	2809..2979		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o1.tc	Method	TBLASTX:Cress
Start	8940	End	9640
GI	none	Score	272
Exons	8940..9005, 8942..9163, 8943..9176, 9213..9305, 9225..9305, 9333..9617, 9446..9640		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o1.ts	Method	TBLASTX:Soybean
Start	8942	End	9629
GI	none	Score	294
Exons	8942..9022, 8943..9176, 9086..9163, 9213..9305, 9248..9274, 9333..9629, 9437..9628		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o1.tw	Method	TBLASTX:Wheat
Start	8946	End	9281
GI	none	Score	247
Exons	8946..9176, 8948..9025, 9086..9163, 9111..9170, 9213..9281		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o1.tm	Method	TBLASTX:Maize
Start	8960	End	9344
GI	none	Score	300
Exons	8960..9022, 8961..9176, 9086..9160, 9102..9170, 9204..9344, 9213..9311		

Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o2.tm	Method	TBLASTX:Maize
Start	9399	End	9641

GI	none	Score	270
Exons	9399..9641, 9431..9628		
Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o4.np	Method	AAT/NAP
Start	10238	End	18915
GI	7523489	Score	144
Exons	10238..10469, 18894..18915		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o4.gs	Method	GENSCAN
Start	12751	End	14009
GI	none	Score	.88
Exons	12751..12838, 13867..14009		
Seq. No.	46613	Seq. ID	OJ000307_14.0405.C12
Gene No.	98985	Strand	-
Start	10238	End	18915
Name	OJ000307_14.0405.C12.o5.gs	Method	GENSCAN
Start	14553	End	16056
GI	none	Score	.93
Exons	14553..14705, 15871..16056		
Seq. No.	46614	Seq. ID	OJ000307_14.0405.C13
Gene No.	98986	Strand	+
Start	180	End	398
Name	OJ000307_14.0405.C13.o1.gs	Method	GENSCAN
Start	180	End	398
GI	none	Score	.86
Exons	180..398		
Seq. No.	46615	Seq. ID	OJ000307_14.0405.C14
Gene No.	98987	Strand	-
Start	273	End	351
Name	OJ000307_14.0405.C14.o1.gs	Method	GENSCAN
Start	273	End	351
GI	none	Score	.53
Exons	273..351		
Seq. No.	46615	Seq. ID	OJ000307_14.0405.C14
Gene No.	98988	Strand	-
Start	4963	End	6934
Name	OJ000307_14.0405.C14.o1.np	Method	AAT/NAP
Start	4349	End	4432
GI	5852084	Score	79
Exons	4349..4432		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	46615	Seq. ID	OJ000307_14.0405.C14
Gene No.	98988	Strand	-
Start	4963	End	6934
Name	OJ000307_14.0405.C14.o2.gs	Method	GENSCAN

Start	4963	End	6934
GI	none	Score	.71
Exons	4963..5076, 5085..5263, 5342..5368, 5482..5652, 6835..6934		

Seq. No.	46615	Seq. ID	OJ000307_14.0405.C14
Gene No.	98989	Strand	-
Start	6839	End	6934
Name	OJ000307_14.0405.C14.o2.np	Method	AAT/NAP
Start	6839	End	6934
GI	5922634	Score	125
Exons	6839..6934		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46616	Seq. ID	OJ000307_14.0405.C16
Gene No.	98990	Strand	+
Start	62	End	932
Name	OJ000307_14.0405.C16.o1.gs	Method	GENSCAN
Start	62	End	932
GI	none	Score	.64
Exons	62..149, 751..932		

Seq. No.	46616	Seq. ID	OJ000307_14.0405.C16
Gene No.	98991	Strand	+
Start	3264	End	7432
Name	OJ000307_14.0405.C16.o2.gs	Method	GENSCAN
Start	3264	End	7432
GI	none	Score	.58
Exons	3264..3546, 5391..5506, 6352..6476, 6496..6574, 7034..7432		

Seq. No.	46616	Seq. ID	OJ000307_14.0405.C16
Gene No.	98992	Strand	+
Start	15309	End	19441
Name	OJ000307_14.0405.C16.o5.gs	Method	GENSCAN
Start	15309	End	19441
GI	none	Score	.4
Exons	15309..15629, 16200..16676, 19268..19441		

Seq. No.	46616	Seq. ID	OJ000307_14.0405.C16
Gene No.	98993	Strand	+
Start	21448	End	23567
Name	OJ000307_14.0405.C16.o6.gs	Method	GENSCAN
Start	21448	End	23567
GI	none	Score	.55
Exons	21448..21520, 21633..21794, 21920..22038, 22040..22725, 22830..23003, 23525..23567		

Seq. No.	46616	Seq. ID	OJ000307_14.0405.C16
Gene No.	98994	Strand	-
Start	1	End	23732
Name	OJ000307_14.0405.C16.o1.np	Method	AAT/NAP
Start	1	End	23732
GI	4680204	Score	60
Exons	1..33, 11749..11877, 11967..12063, 14214..14345, 23652..23732		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	46616	Seq. ID	OJ000307_14.0405.C16
Gene No.	98994	Strand	-
Start	1	End	23732
Name	OJ000307_14.0405.C16.o3.gs	Method	GENSCAN
Start	9877	End	10593
GI	none	Score	.69
Exons	9877..10082, 10500..10593		

Seq. No.	46617	Seq. ID	OJ000307_14.0405.C17
Gene No.	98995	Strand	+
Start	883	End	3531
Name	OJ000307_14.0405.C17.o1.gs	Method	GENSCAN
Start	883	End	3531
GI	none	Score	.53
Exons	883..1070, 2459..2628, 3077..3181, 3474..3531		

Seq. No.	46617	Seq. ID	OJ000307_14.0405.C17
Gene No.	98996	Strand	-
Start	1	End	423
Name	OJ000307_14.0405.C17.o1.gp	Method	AAT/GAP
Start	1	End	423
GI	LIB3477-003-P1-K1-E9	Score	160
Exons	1..110, 400..423		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORYS 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46617	Seq. ID	OJ000307_14.0405.C17
Gene No.	98997	Strand	-
Start	4804	End	5570
Name	OJ000307_14.0405.C17.o2.gs	Method	GENSCAN
Start	4804	End	5517
GI	none	Score	.76
Exons	4804..5517		

Seq. No.	46617	Seq. ID	OJ000307_14.0405.C17
Gene No.	98997	Strand	-
Start	4804	End	5570
Name	OJ000307_14.0405.C17.o1.np	Method	AAT/NAP
Start	5074	End	5570
GI	4678202	Score	152
Exons	5074..5570		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46618	Seq. ID	OJ000307_12.0403.C1
Gene No.	98998	Strand	
Start	358	End	804
Name	OJ000307_12.0403.C1.o2.tm	Method	TBLASTX:Maize
Start	358	End	804
GI	none	Score	49
Exons	358..387, 403..486, 435..497, 553..609, 559..609, 676..804, 687..803		

Seq. No.	46618	Seq. ID	OJ000307_12.0403.C1
Gene No.	98998	Strand	
Start	358	End	804
Name	OJ000307_12.0403.C1.o2.ts	Method	TBLASTX:Soybean

Start	550	End	774
GI	none	Score	177
Exons	550..774, 561..608, 687..773		

Seq. No.	46618	Seq. ID	OJ000307_12.0403.C1
Gene No.	98999	Strand	
Start	775	End	1370
Name	OJ000307_12.0403.C1.o1.ts	Method	TBLASTX:Soybean
Start	775	End	1370
GI	none	Score	182
Exons	775..939, 778..867, 789..923, 1014..1055, 1015..1062, 1099..1269, 1146..1259, 1285..1368, 1293..1370, 1294..1368		

Seq. No.	46618	Seq. ID	OJ000307_12.0403.C1
Gene No.	98999	Strand	
Start	775	End	1370
Name	OJ000307_12.0403.C1.o1.tm	Method	TBLASTX:Maize
Start	1099	End	1368
GI	none	Score	273
Exons	1099..1269, 1099..1191, 1149..1319, 1294..1368, 1294..1368		

Seq. No.	46618	Seq. ID	OJ000307_12.0403.C1
Gene No.	98999	Strand	
Start	775	End	1370
Name	OJ000307_12.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	1138	End	1370
GI	none	Score	143
Exons	1138..1266, 1152..1265, 1290..1370, 1294..1368		

Seq. No.	46619	Seq. ID	OJ000307_12.0403.C3
Gene No.	99000	Strand	
Start	431	End	879
Name	OJ000307_12.0403.C3.o1.tw	Method	TBLASTX:Wheat
Start	431	End	817
GI	none	Score	354
Exons	431..817, 442..816		

Seq. No.	46619	Seq. ID	OJ000307_12.0403.C3
Gene No.	99000	Strand	
Start	431	End	879
Name	OJ000307_12.0403.C3.o2.tm	Method	TBLASTX:Maize
Start	566	End	879
GI	none	Score	366
Exons	566..877, 574..879		

Seq. No.	46619	Seq. ID	OJ000307_12.0403.C3
Gene No.	99001	Strand	
Start	1378	End	1700
Name	OJ000307_12.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	1378	End	1700
GI	none	Score	268
Exons	1378..1632, 1385..1699, 1405..1698, 1533..1700		

Seq. No.	46619	Seq. ID	OJ000307_12.0403.C3
Gene No.	99002	Strand	
Start	1727	End	2124
Name	OJ000307_12.0403.C3.o1.ts	Method	TBLASTX:Soybean

Start	1727	End	2083
GI	none	Score	88
Exons	1727..1882, 1865..2083		

Seq. No.	46619	Seq. ID	OJ000307_12.0403.C3
Gene No.	99002	Strand	
Start	1727	End	2124
Name	OJ000307_12.0403.C3.o2.tw	Method	TBLASTX:Wheat
Start	1832	End	2124
GI	none	Score	191
Exons	1832..2104, 1903..2079, 2083..2124, 2085..2123		

Seq. No.	46620	Seq. ID	OJ000307_12.0403.C6
Gene No.	99003	Strand	-
Start	351	End	666
Name	OJ000307_12.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	1	End	216
GI	none	Score	147
Exons	1..57, 2..103, 3..107, 105..200, 107..193, 123..215, 133..216		

Seq. No.	46620	Seq. ID	OJ000307_12.0403.C6
Gene No.	99003	Strand	-
Start	351	End	666
Name	OJ000307_12.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	200
GI	none	Score	136
Exons	2..94, 3..113, 105..200, 107..199		

Seq. No.	46620	Seq. ID	OJ000307_12.0403.C6
Gene No.	99003	Strand	-
Start	351	End	666
Name	OJ000307_12.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	200
GI	none	Score	142
Exons	2..112, 3..113, 107..199, 108..200		

Seq. No.	46620	Seq. ID	OJ000307_12.0403.C6
Gene No.	99003	Strand	-
Start	351	End	666
Name	OJ000307_12.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	235
GI	none	Score	153
Exons	2..103, 3..104, 6..107, 113..235, 114..209		

Seq. No.	46620	Seq. ID	OJ000307_12.0403.C6
Gene No.	99003	Strand	-
Start	351	End	666
Name	OJ000307_12.0403.C6.o1.gp	Method	AAT/GAP
Start	351	End	666
GI	LIB3431-024-P1-N1-D8	Score	616
Exons	351..666		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99004	Strand	+
Start	5413	End	7778

Name	OJ000307_12.0403.C10.o1.gp	Method	AAT/GAP
Start	5413	End	7778
GI	30106_1.R1084	Score	1118
Exons	5413..5523, 5641..5776, 7437..7778		
GI Descrip.	'6018458/emb|CAB57866.1| 2.0e-35 (AJ243972) 6-phosphogluconolactonase [Homo sapiens]'		

Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99005	Strand	+
Start	7796	End	8176
Name	OJ000307_12.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	5216	End	8132
GI	none	Score	46
Exons	5216..5272, 5378..5524, 5413..5511, 5471..5524, 5609..5779, 5639..5779, 5640..5786, 5761..5787, 7435..7920, 7436..7921, 7437..7934, 8052..8117, 8112..8132		

Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99005	Strand	+
Start	7796	End	8176
Name	OJ000307_12.0403.C10.o3.tc	Method	TBLASTX:Cress
Start	5378	End	5779
GI	none	Score	119
Exons	5378..5512, 5428..5511, 5633..5779, 5653..5778		

Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99005	Strand	+
Start	7796	End	8176
Name	OJ000307_12.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	5405	End	7829
GI	none	Score	137
Exons	5405..5524, 5413..5514, 5606..5779, 5639..5779, 7434..7544, 7436..7792, 7436..7789, 7437..7829, 7578..7793		

Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99005	Strand	+
Start	7796	End	8176
Name	OJ000307_12.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	5414	End	7721
GI	none	Score	134
Exons	5414..5524, 5416..5511, 5471..5524, 5639..5779, 5639..5779, 5640..5789, 7434..7706, 7435..7695, 7436..7720, 7437..7721		

Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99005	Strand	+
Start	7796	End	8176
Name	OJ000307_12.0403.C10.o2.tc	Method	TBLASTX:Cress
Start	7437	End	7820
GI	none	Score	69
Exons	7437..7538, 7482..7820, 7517..7756, 7521..7757		

Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99005	Strand	+
Start	7796	End	8176
Name	OJ000307_12.0403.C10.o2.tw	Method	TBLASTX:Wheat
Start	7748	End	7950
GI	none	Score	257

Exons	7748..7915, 7749..7916, 7753..7950, 7755..7919		
Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99005	Strand	+
Start	7796	End	8176
Name	OJ000307_12.0403.C10.o2.gp	Method	AAT/GAP
Start	7796	End	8176
GI	none	Score	750
Exons	7796..8176		
Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99006	Strand	
Start	13936	End	16003
Name	OJ000307_12.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	13936	End	16003
GI	none	Score	222
Exons	13936..14025, 13937..14080, 13937..14077, 13944..14078, 14255..14314, 14823..14888, 15145..15309, 15146..15241, 15218..15343, 15230..15343, 15231..15344, 15231..15344, 15341..16003, 15376..16002, 15479..16003		
Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99006	Strand	
Start	13936	End	16003
Name	OJ000307_12.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	15146	End	16003
GI	none	Score	73
Exons	15146..15208, 15580..15807, 15581..15808, 15800..16003, 15802..16002		
Seq. No.	46621	Seq. ID	OJ000307_12.0403.C10
Gene No.	99006	Strand	
Start	13936	End	16003
Name	OJ000307_12.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	15668	End	16003
GI	none	Score	440
Exons	15668..16003, 15670..15996, 15680..16003		
Seq. No.	46622	Seq. ID	OJ000307_12.0403.C16
Gene No.	99007	Strand	+
Start	980	End	1543
Name	OJ000307_12.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	30	End	1543
GI	none	Score	152
Exons	30..176, 61..165, 62..169, 170..439, 171..413, 611..682, 623..682, 849..977, 856..987, 857..973, 964..1002, 1001..1189, 1005..1184, 1013..1186, 1191..1223, 1192..1230, 1192..1230, 1207..1341, 1229..1342, 1229..1363, 1231..1359, 1355..1414, 1356..1415, 1356..1415, 1357..1416, 1434..1541, 1435..1500, 1439..1543, 1496..1543		
Seq. No.	46622	Seq. ID	OJ000307_12.0403.C16
Gene No.	99007	Strand	+
Start	980	End	1543
Name	OJ000307_12.0403.C16.o1.gp	Method	AAT/GAP
Start	980	End	1434
GI	none	Score	834

Exons	980..1434		
Seq. No.	46623	Seq. ID	OJ000307_12.0403.C17
Gene No.	99008	Strand	
Start	637	End	1052
Name	OJ000307_12.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	637	End	1052
GI	none	Score	183
Exons	637..756, 642..755, 653..757,	943..1044, 952..1044, 987..1052	
Seq. No.	46624	Seq. ID	OJ000307_12.0403.C18
Gene No.	99009	Strand	
Start	168	End	790
Name	OJ000307_12.0403.C18.o1.tw	Method	TBLASTX:Wheat
Start	168	End	452
GI	none	Score	195
Exons	168..452, 182..451		
Seq. No.	46624	Seq. ID	OJ000307_12.0403.C18
Gene No.	99009	Strand	
Start	168	End	790
Name	OJ000307_12.0403.C18.o1.ts	Method	TBLASTX:Soybean
Start	185	End	790
GI	none	Score	320
Exons	185..535, 186..770, 599..790		
Seq. No.	46624	Seq. ID	OJ000307_12.0403.C18
Gene No.	99009	Strand	
Start	168	End	790
Name	OJ000307_12.0403.C18.o1.tc	Method	TBLASTX:Cress
Start	191	End	790
GI	none	Score	200
Exons	191..535, 345..773, 599..790		
Seq. No.	46624	Seq. ID	OJ000307_12.0403.C18
Gene No.	99009	Strand	
Start	168	End	790
Name	OJ000307_12.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	198	End	788
GI	none	Score	289
Exons	198..788, 203..541, 340..606,	599..787	
Seq. No.	46624	Seq. ID	OJ000307_12.0403.C18
Gene No.	99009	Strand	
Start	168	End	790
Name	OJ000307_12.0403.C18.o2.tw	Method	TBLASTX:Wheat
Start	476	End	784
GI	none	Score	142
Exons	476..535, 477..776, 599..784		
Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o1.tw	Method	TBLASTX:Wheat
Start	508	End	936
GI	none	Score	38
Exons	508..573, 509..568, 557..802,	583..603, 618..809, 662..808,	

803..898, 805..936

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	805	End	1541
GI	none	Score	122
Exons	805..1137, 806..898, 811..900, 972..1136, 989..1138, 1464..1541, 1466..1540		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o2.ts	Method	TBLASTX:Soybean
Start	811	End	1065
GI	none	Score	99
Exons	811..1065, 815..898, 992..1063		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o1.tc	Method	TBLASTX:Cress
Start	826	End	4300
GI	none	Score	65
Exons	826..1137, 827..880, 992..1138, 1464..1598, 1466..1642, 1643..1747, 1776..1967, 1845..2033, 1852..2022, 3565..3600, 3567..3599, 3627..3872, 3721..3867, 3959..4048, 3969..4046, 4055..4222, 4056..4133, 4232..4300		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o3.ts	Method	TBLASTX:Soybean
Start	1493	End	1923
GI	none	Score	131
Exons	1493..1747, 1494..1745, 1858..1923, 1860..1922		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	1581	End	2004
GI	none	Score	86
Exons	1581..1625, 1582..1629, 1583..1663, 1638..1664, 1655..1747, 1656..1745, 1855..2004, 1858..2001, 1860..2003		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o1.ts	Method	TBLASTX:Soybean
Start	3618	End	4297
GI	none	Score	108
Exons	3618..3866, 3721..3867, 3992..4033, 3993..4034, 4049..4222, 4220..4297		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19

Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o3.tm	Method	TBLASTX:Maize
Start	3814	End	4300
GI	none	Score	79
Exons	3814..3867, 3814..3855, 3816..3872, 3929..4048, 3969..4046, 4044..4133, 4055..4222, 4226..4300, 4233..4277		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o1.gp	Method	AAT/GAP
Start	14084	End	15254
GI	1214_1.R1084	Score	1063
Exons	14084..14533, 15152..15254		
GI Descrip.	'4469021/emb|CAB38282| 3.0e-68 (AL035602) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46625	Seq. ID	OJ000307_12.0403.C19
Gene No.	99010	Strand	-
Start	14084	End	15258
Name	OJ000307_12.0403.C19.o4.tm	Method	TBLASTX:Maize
Start	14411	End	15258
GI	none	Score	173
Exons	14411..14533, 14416..14535, 15149..15253, 15151..15258, 15155..15253		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99011	Strand	+
Start	7022	End	8238
Name	OJ000307_12.0403.C20.o4.gp	Method	AAT/GAP
Start	7022	End	8238
GI	26378_1.R1084	Score	838
Exons	7022..7106, 7271..7378, 7669..7758, 8048..8238		
GI Descrip.	'4455227/emb|CAB36550.1| 2.0e-42 (AL035440) SNF8 like protein [Arabidopsis thaliana]'		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99012	Strand	+
Start	14205	End	14406
Name	OJ000307_12.0403.C20.o5.gp	Method	AAT/GAP
Start	14205	End	14406
GI	4878384	Score	385
Exons	14205..14406		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99014	Strand	-
Start	1823	End	2859
Name	OJ000307_12.0403.C20.o3.tm	Method	TBLASTX:Maize
Start	114	End	1390
GI	none	Score	144
Exons	114..272, 127..273, 129..278, 131..277, 220..279, 659..748, 659..754, 679..756, 1028..1081, 1031..1081, 1181..1390, 1182..1388		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99014	Strand	-

Start	1823	End	2859
Name	OJ000307_12.0403.C20.o3.ts	Method	TBLASTX:Soybean
Start	127	End	1201
GI	none	Score	192
Exons	127..273, 137..277, 659..748, 659..754, 688..762, 1031..1081, 1181..1201		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99014	Strand	-
Start	1823	End	2859
Name	OJ000307_12.0403.C20.o6.tm	Method	TBLASTX:Maize
Start	1980	End	2208
GI	none	Score	38
Exons	1980..2021, 2003..2197, 2071..2202, 2071..2208		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99015	Strand	
Start	5731	End	7102
Name	OJ000307_12.0403.C20.o2.ts	Method	TBLASTX:Soybean
Start	5731	End	7102
GI	none	Score	39
Exons	5731..5775, 5904..5948, 5905..5955, 6042..6155, 6043..6156, 6656..6844, 6709..6849, 6711..6848, 6962..7102, 6963..7100		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99015	Strand	
Start	5731	End	7102
Name	OJ000307_12.0403.C20.o5.tm	Method	TBLASTX:Maize
Start	5898	End	6974
GI	none	Score	94
Exons	5898..5957, 5899..5955, 6043..6156, 6045..6155, 6656..6844, 6709..6849, 6709..6846, 6714..6848, 6944..6973, 6948..6974		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99015	Strand	
Start	5731	End	7102
Name	OJ000307_12.0403.C20.o3.tc	Method	TBLASTX:Cress
Start	5905	End	6777
GI	none	Score	69
Exons	5905..5955, 5913..5948, 6042..6155, 6043..6156, 6709..6777, 6711..6776		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99016	Strand	
Start	10457	End	10882
Name	OJ000307_12.0403.C20.o4.tm	Method	TBLASTX:Maize
Start	10457	End	10882
GI	none	Score	34
Exons	10457..10498, 10561..10623, 10567..10629, 10604..10882, 10699..10860		

Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99017	Strand	
Start	11015	End	11427
Name	OJ000307_12.0403.C20.o2.tm	Method	TBLASTX:Maize
Start	11015	End	11427
GI	none	Score	135

Exons	11015..11116, 11015..11113, 11017..11127, 11116..11427, 11117..11425		
Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99018	Strand	
Start	15484	End	16098
Name	OJ000307_12.0403.C20.o1.tm	Method	TBLASTX:Maize
Start	15484	End	16098
GI	none	Score	318
Exons	15484..15768, 15493..15726, 15593..15760, 15854..16054, 15854..16066, 15855..16085, 15883..16098		
Seq. No.	46626	Seq. ID	OJ000307_12.0403.C20
Gene No.	99018	Strand	
Start	15484	End	16098
Name	OJ000307_12.0403.C20.o2.tc	Method	TBLASTX:Cress
Start	15541	End	16087
GI	none	Score	173
Exons	15541..15768, 15630..15767, 15845..16087, 15855..16025		
Seq. No.	46627	Seq. ID	OJ000307_12.0403.C21
Gene No.	99019	Strand	+
Start	4698	End	6938
Name	OJ000307_12.0403.C21.o1.gp	Method	AAT/GAP
Start	4698	End	5256
GI	uC-osrocyp009f01b1	Score	670
Exons	4698..4945, 5047..5127, 5227..5256		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 3.0e-16 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		
Seq. No.	46627	Seq. ID	OJ000307_12.0403.C21
Gene No.	99019	Strand	+
Start	4698	End	6938
Name	OJ000307_12.0403.C21.o1.tm	Method	TBLASTX:Maize
Start	4806	End	5322
GI	none	Score	185
Exons	4806..4946, 4829..4945, 5026..5127, 5033..5119, 5033..5134, 5047..5127, 5220..5318, 5224..5322, 5225..5320		
Seq. No.	46627	Seq. ID	OJ000307_12.0403.C21
Gene No.	99019	Strand	+
Start	4698	End	6938
Name	OJ000307_12.0403.C21.o1.tc	Method	TBLASTX:Cress
Start	4818	End	6905
GI	none	Score	130
Exons	4818..4946, 4832..4945, 5026..5127, 5033..5119, 5033..5134, 5109..5138, 5224..5331, 5225..5329, 6517..6621, 6831..6905		
Seq. No.	46627	Seq. ID	OJ000307_12.0403.C21
Gene No.	99019	Strand	+
Start	4698	End	6938
Name	OJ000307_12.0403.C21.o1.ts	Method	TBLASTX:Soybean
Start	4818	End	6902
GI	none	Score	118
Exons	4818..4946, 4829..4942, 5032..5127, 5033..5119, 5224..5325, 5225..5329, 6517..6621, 6831..6902		

Seq. No.	46627	Seq. ID	OJ000307_12.0403.C21
Gene No.	99019	Strand	+
Start	4698	End	6938
Name	OJ000307_12.0403.C21.o1.tw	Method	TBLASTX:Wheat
Start	5096	End	6938
GI	none	Score	55
Exons	5096..5134, 5098..5127, 5103..5138, 5220..5327, 5224..5328, 5225..5329, 5228..5329, 6517..6627, 6526..6603, 6530..6622, 6814..6906, 6830..6904, 6831..6938, 6843..6908		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99020	Strand	+
Start	3381	End	4215
Name	OJ000307_12.0403.C23.o1.tc	Method	TBLASTX:Cress
Start	2648	End	4188
GI	none	Score	45
Exons	2648..2704, 2825..3004, 3580..3714, 3639..3707, 3711..3947, 3712..3951, 3967..4101, 3978..4130, 4123..4188		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99020	Strand	+
Start	3381	End	4215
Name	OJ000307_12.0403.C23.o3.tm	Method	TBLASTX:Maize
Start	3187	End	3815
GI	none	Score	40
Exons	3187..3363, 3188..3217, 3221..3394, 3407..3457, 3583..3699, 3586..3708, 3588..3701, 3720..3815, 3721..3813		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99020	Strand	+
Start	3381	End	4215
Name	OJ000307_12.0403.C23.o1.gp	Method	AAT/GAP
Start	3381	End	3931
GI	LIB3432-037-P1-K1-A12	Score	855
Exons	3381..3490, 3589..3931		
GI Descrip.	'166949 3.0e-36 (M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]'		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99020	Strand	+
Start	3381	End	4215
Name	OJ000307_12.0403.C23.o1.ts	Method	TBLASTX:Soybean
Start	3580	End	4203
GI	none	Score	335
Exons	3580..3951, 3619..3699, 3750..3950, 3964..4203, 3969..4148		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99020	Strand	+
Start	3381	End	4215
Name	OJ000307_12.0403.C23.o1.tw	Method	TBLASTX:Wheat
Start	3580	End	3897
GI	none	Score	286
Exons	3580..3720, 3589..3897, 3645..3896		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99020	Strand	+

Start	3381	End	4215
Name	OJ000307_12.0403.C23.o1.tm	Method	TBLASTX:Maize
Start	3816	End	4215
GI	none	Score	522
Exons	3816..4148, 3817..4191, 3955..4215		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99020	Strand	+
Start	3381	End	4215
Name	OJ000307_12.0403.C23.o2.tw	Method	TBLASTX:Wheat
Start	3921	End	4188
GI	none	Score	48
Exons	3921..3947, 3922..3948, 3966..4148, 3967..4188, 4057..4155		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99021	Strand	
Start	8146	End	8839
Name	OJ000307_12.0403.C23.o3.ts	Method	TBLASTX:Soybean
Start	8146	End	8839
GI	none	Score	96
Exons	8146..8205, 8157..8207, 8298..8381, 8300..8380, 8795..8839		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99022	Strand	
Start	9819	End	10482
Name	OJ000307_12.0403.C23.o4.tm	Method	TBLASTX:Maize
Start	9819	End	10054
GI	none	Score	119
Exons	9819..9941, 9819..9962, 9820..9942, 9992..10054		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99022	Strand	
Start	9819	End	10482
Name	OJ000307_12.0403.C23.o2.tc	Method	TBLASTX:Cress
Start	9822	End	10482
GI	none	Score	116
Exons	9822..9911, 9823..9930, 10269..10481, 10269..10367, 10279..10482, 10294..10482		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99022	Strand	
Start	9819	End	10482
Name	OJ000307_12.0403.C23.o4.ts	Method	TBLASTX:Soybean
Start	10251	End	10434
GI	none	Score	70
Exons	10251..10367, 10275..10379, 10279..10431, 10294..10434		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99023	Strand	
Start	10467	End	11065
Name	OJ000307_12.0403.C23.o2.tm	Method	TBLASTX:Maize
Start	10467	End	11065
GI	none	Score	285
Exons	10467..10649, 10468..10650, 10470..10664, 10472..10663, 10609..10857, 10671..10865, 10673..10867, 10739..10882, 10929..11063, 10930..11058, 10931..11065		

Seq. No.	46628	Seq. ID	OJ000307_12.0403.C23
Gene No.	99023	Strand	
Start	10467	End	11065
Name	OJ000307_12.0403.C23.o2.ts	Method	TBLASTX:Soybean
Start	10641	End	11063
GI	none	Score	276
Exons	10641..10715, 10648..10857, 10648..10857, 10776..10895, 10929..11063, 10930..11058		

Seq. No.	46629	Seq. ID	OJ000217_17.0403.C4
Gene No.	99024	Strand	+
Start	254	End	1046
Name	OJ000217_17.0403.C4.o1.gs	Method	GENSCAN
Start	254	End	972
GI	none	Score	.43
Exons	254..531, 636..972		

Seq. No.	46629	Seq. ID	OJ000217_17.0403.C4
Gene No.	99024	Strand	+
Start	254	End	1046
Name	OJ000217_17.0403.C4.o1.np	Method	AAT/NAP
Start	262	End	1046
GI	4234848	Score	353
Exons	262..438, 472..1046		
GI Descrip.	(AF082131) gag-pol polyprotein [Zea mays]		

Seq. No.	46629	Seq. ID	OJ000217_17.0403.C4
Gene No.	99024	Strand	+
Start	254	End	1046
Name	OJ000217_17.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	355	End	962
GI	none	Score	187
Exons	355..606, 557..931, 561..962		

Seq. No.	46630	Seq. ID	OJ000217_17.0403.C15
Gene No.	99025	Strand	-
Start	1	End	96
Name	OJ000217_17.0403.C15.o1.gp	Method	AAT/GAP
Start	1	End	96
GI	6547_2.R1084	Score	135
Exons	1..96		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 6.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	46630	Seq. ID	OJ000217_17.0403.C15
Gene No.	99026	Strand	-
Start	44	End	689
Name	OJ000217_17.0403.C15.o1.gs	Method	GENSCAN
Start	44	End	689
GI	none	Score	.62
Exons	44..258, 421..689		

Seq. No.	46631	Seq. ID	OJ000217_17.0403.C16
Gene No.	99027	Strand	-
Start	325	End	1070
Name	OJ000217_17.0403.C16.o1.gs	Method	GENSCAN
Start	325	End	1070

GI	none	Score	.64
Exons	325..470, 491..1070		

Seq. No.	46632	Seq. ID	OJ000217_17.0403.C20
Gene No.	99028	Strand	+
Start	297	End	883
Name	OJ000217_17.0403.C20.o1.gs	Method	GENSCAN
Start	297	End	443
GI	none	Score	.47
Exons	297..443		

Seq. No.	46632	Seq. ID	OJ000217_17.0403.C20
Gene No.	99028	Strand	+
Start	297	End	883
Name	OJ000217_17.0403.C20.o1.np	Method	AAT/NAP
Start	297	End	883
GI	5042454	Score	368
Exons	297..443, 786..883		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46633	Seq. ID	OJ000217_17.0403.C24
Gene No.	99029	Strand	-
Start	453	End	574
Name	OJ000217_17.0403.C24.o1.gs	Method	GENSCAN
Start	453	End	574
GI	none	Score	.61
Exons	453..574		

Seq. No.	46634	Seq. ID	OJ000217_17.0403.C26
Gene No.	99030	Strand	-
Start	214	End	504
Name	OJ000217_17.0403.C26.o1.gs	Method	GENSCAN
Start	214	End	504
GI	none	Score	.86
Exons	214..331, 408..504		

Seq. No.	46634	Seq. ID	OJ000217_17.0403.C26
Gene No.	99031	Strand	-
Start	769	End	881
Name	OJ000217_17.0403.C26.o1.gp	Method	AAT/GAP
Start	769	End	881
GI	none	Score	140
Exons	769..881		

Seq. No.	46635	Seq. ID	OJ000217_17.0403.C31
Gene No.	99032	Strand	-
Start	10	End	343
Name	OJ000217_17.0403.C31.o1.gs	Method	GENSCAN
Start	10	End	343
GI	none	Score	.65
Exons	10..343		

Seq. No.	46636	Seq. ID	OJ000217_17.0403.C32
Gene No.	99033	Strand	+
Start	806	End	1217
Name	OJ000217_17.0403.C32.o1.gs	Method	GENSCAN
Start	806	End	1217

GI	none	Score	.76
Exons	806..1217		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33
Gene No.	99034	Strand	+
Start	78	End	325
Name	OJ000217_17.0403.C33.o1.gp	Method	AAT/GAP
Start	78	End	325
GI	3761181	Score	455
Exons	78..325		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33
Gene No.	99035	Strand	-
Start	1	End	1247
Name	OJ000217_17.0403.C33.o1.np	Method	AAT/NAP
Start	1	End	181
GI	7106512	Score	130
Exons	1..48, 121..181		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33
Gene No.	99035	Strand	-
Start	1	End	1247
Name	OJ000217_17.0403.C33.o2.np	Method	AAT/NAP
Start	1	End	1247
GI	6911873	Score	434
Exons	1..43, 590..1113, 1196..1247		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33
Gene No.	99035	Strand	-
Start	1	End	1247
Name	OJ000217_17.0403.C33.o1.gs	Method	GENSCAN
Start	402	End	1151
GI	none	Score	.4
Exons	402..1151		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33
Gene No.	99035	Strand	-
Start	1	End	1247
Name	OJ000217_17.0403.C33.o2.ts	Method	TBLASTX:Soybean
Start	588	End	809
GI	none	Score	202
Exons	588..809		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33
Gene No.	99035	Strand	-
Start	1	End	1247
Name	OJ000217_17.0403.C33.o1.tm	Method	TBLASTX:Maize
Start	597	End	1122
GI	none	Score	84
Exons	597..860, 600..932, 939..1040, 942..1121, 949..1122		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33

Gene No.	99035	Strand	-
Start	1	End	1247
Name	OJ000217_17.0403.C33.o1.tc	Method	TBLASTX:Cress
Start	618	End	1112
GI	none	Score	64
Exons	618..1112, 642..713, 796..1107, 801..866		

Seq. No.	46637	Seq. ID	OJ000217_17.0403.C33
Gene No.	99035	Strand	-
Start	1	End	1247
Name	OJ000217_17.0403.C33.o1.ts	Method	TBLASTX:Soybean
Start	822	End	1131
GI	none	Score	71
Exons	822..1118, 835..975, 1024..1131		

Seq. No.	46638	Seq. ID	OJ000217_17.0403.C35
Gene No.	99036	Strand	+
Start	611	End	939
Name	OJ000217_17.0403.C35.o1.gp	Method	AAT/GAP
Start	611	End	939
GI	1206_8.R1084	Score	554
Exons	611..939		
GI Descrip.	'5714761/gb|AF173881.1|AF173881 3.0e-21 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-4 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	46638	Seq. ID	OJ000217_17.0403.C35
Gene No.	99037	Strand	-
Start	745	End	843
Name	OJ000217_17.0403.C35.o1.gs	Method	GENSCAN
Start	745	End	843
GI	none	Score	.87
Exons	745..843		

Seq. No.	46638	Seq. ID	OJ000217_17.0403.C35
Gene No.	99038	Strand	-
Start	748	End	939
Name	OJ000217_17.0403.C35.o1.np	Method	AAT/NAP
Start	748	End	939
GI	7489799	Score	92
Exons	748..939		
GI Descrip.	photosystem II oxygen-evolving complex protein 3 precursor - maize gi|517500|gb|AAA20823.1| (M87435) precursor of the oxygen evolving complex 17 kDa protein [Zea mays] gi|444338|prf||1906386A photosystem II OE17 protein [Pisum sativum]		

Seq. No.	46639	Seq. ID	OJ000217_17.0403.C44
Gene No.	99039	Strand	+
Start	1190	End	1278
Name	OJ000217_17.0403.C44.o1.gs	Method	GENSCAN
Start	1190	End	1278
GI	none	Score	.95
Exons	1190..1278		

Seq. No.	46640	Seq. ID	OJ000217_17.0403.C47
Gene No.	99040	Strand	+

Start	749	End	1128
Name	OJ000217_17.0403.C47.o1.gs	Method	GENSCAN
Start	749	End	1128
GI	none	Score	.58
Exons	749..1128		

Seq. No.	46640	Seq. ID	OJ000217_17.0403.C47
Gene No.	99041	Strand	-
Start	423	End	1413
Name	OJ000217_17.0403.C47.o1.np	Method	AAT/NAP
Start	423	End	1413
GI	6907086	Score	538
Exons	423..570, 628..802, 926..973, 1187..1413		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46641	Seq. ID	OJ000217_17.0403.C48
Gene No.	99042	Strand	+
Start	54	End	1847
Name	OJ000217_17.0403.C48.o1.gs	Method	GENSCAN
Start	54	End	1847
GI	none	Score	.61
Exons	54..126, 1774..1847		

Seq. No.	46641	Seq. ID	OJ000217_17.0403.C48
Gene No.	99043	Strand	-
Start	1	End	1293
Name	OJ000217_17.0403.C48.o1.np	Method	AAT/NAP
Start	1	End	1293
GI	6907088	Score	733
Exons	1..246, 743..980, 1156..1293		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46641	Seq. ID	OJ000217_17.0403.C48
Gene No.	99043	Strand	-
Start	1	End	1293
Name	OJ000217_17.0403.C48.o1.gp	Method	AAT/GAP
Start	292	End	482
GI	5667165	Score	351
Exons	292..482		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	46642	Seq. ID	OJ000217_17.0403.C49
Gene No.	99044	Strand	+
Start	1	End	402
Name	OJ000217_17.0403.C49.o1.np	Method	AAT/NAP
Start	1	End	402
GI	5042462	Score	84
Exons	1..24, 246..402		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o1.np	Method	AAT/NAP
Start	1	End	2366

GI	4680203	Score	1492
Exons	1..1302, 2089..2366		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o1.tw	Method	TBLASTX:Wheat
Start	39	End	381
GI	none	Score	287
Exons	39..380, 39..380, 82..381		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o1.gs	Method	GENSCAN
Start	71	End	2870
GI	none	Score	.49
Exons	71..353, 489..661, 843..1302, 2124..2870		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o3.tm	Method	TBLASTX:Maize
Start	121	End	509
GI	none	Score	141
Exons	121..381, 123..380, 420..509		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o2.tc	Method	TBLASTX:Cress
Start	168	End	516
GI	none	Score	87
Exons	168..509, 172..315, 364..516		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o2.ts	Method	TBLASTX:Soybean
Start	249	End	678
GI	none	Score	92
Exons	249..545, 267..479, 268..513, 540..602, 603..677, 619..678		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o2.tw	Method	TBLASTX:Wheat
Start	594	End	853
GI	none	Score	150
Exons	594..830, 606..830, 619..831, 815..853		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o2.np	Method	AAT/NAP
Start	980	End	3112

GI	4097938	Score	1024
Exons	980..1017, 2076..2899, 3037..3112		
GI Descrip.	(U72250) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o3.tw	Method	TBLASTX:Wheat
Start	2077	End	2258
GI	none	Score	126
Exons	2077..2208, 2077..2142, 2079..2258, 2079..2258		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o2.tm	Method	TBLASTX:Maize
Start	2079	End	2359
GI	none	Score	81
Exons	2079..2357, 2084..2161, 2085..2357, 2270..2359		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o1.ts	Method	TBLASTX:Soybean
Start	2082	End	2895
GI	none	Score	61
Exons	2082..2306, 2155..2208, 2334..2459, 2374..2448, 2460..2528, 2464..2529, 2586..2894, 2728..2895		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o1.tc	Method	TBLASTX:Cress
Start	2097	End	2889
GI	none	Score	59
Exons	2097..2312, 2098..2208, 2373..2453, 2448..2528, 2535..2678, 2727..2888, 2728..2889		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o1.tm	Method	TBLASTX:Maize
Start	2475	End	2905
GI	none	Score	134
Exons	2475..2678, 2475..2678, 2721..2897, 2725..2898, 2779..2901, 2780..2905, 2783..2902		

Seq. No.	46643	Seq. ID	OJ000217_17.0403.C51
Gene No.	99045	Strand	-
Start	1	End	3112
Name	OJ000217_17.0403.C51.o4.tw	Method	TBLASTX:Wheat
Start	2508	End	2861
GI	none	Score	98
Exons	2508..2603, 2508..2603, 2509..2604, 2607..2651, 2608..2631, 2718..2861, 2728..2856		

Seq. No.	46644	Seq. ID	OJ000217_17.0403.C52

Gene No.	99046	Strand	-
Start	30	End	3568
Name	OJ000217_17.0403.C52.o1.gp	Method	AAT/GAP
Start	30	End	483
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	30..483		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	46644	Seq. ID	OJ000217_17.0403.C52
Gene No.	99046	Strand	-
Start	30	End	3568
Name	OJ000217_17.0403.C52.o1.np	Method	AAT/NAP
Start	284	End	3568
GI	7228442	Score	237
Exons	284..469, 3514..3568		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46644	Seq. ID	OJ000217_17.0403.C52
Gene No.	99046	Strand	-
Start	30	End	3568
Name	OJ000217_17.0403.C52.o1.gs	Method	GENSCAN
Start	308	End	3349
GI	none	Score	.75
Exons	308..468, 619..821, 826..873, 937..1068, 1159..1196, 1262..1444, 1537..1795, 1872..2170, 2264..2674, 2759..3095, 3201..3349		

Seq. No.	46644	Seq. ID	OJ000217_17.0403.C52
Gene No.	99046	Strand	-
Start	30	End	3568
Name	OJ000217_17.0403.C52.o2.np	Method	AAT/NAP
Start	587	End	3357
GI	5441880	Score	2365
Exons	587..821, 937..1068, 1159..1182, 1219..1292, 1537..1795, 1872..2170, 2759..3095, 3201..3357		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	46644	Seq. ID	OJ000217_17.0403.C52
Gene No.	99046	Strand	-
Start	30	End	3568
Name	OJ000217_17.0403.C52.o2.gp	Method	AAT/GAP
Start	1545	End	2044
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	1545..1795, 1872..2044		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	46645	Seq. ID	OJ000217_17.0403.C53
Gene No.	99047	Strand	-
Start	364	End	1133
Name	OJ000217_17.0403.C53.o1.gs	Method	GENSCAN
Start	364	End	1090

GI	none	Score	.57
Exons	364..1090		

Seq. No.	46645	Seq. ID	OJ000217_17.0403.C53
Gene No.	99047	Strand	-
Start	364	End	1133
Name	OJ000217_17.0403.C53.o1.np	Method	AAT/NAP
Start	385	End	1133
GI	4678922	Score	641
Exons	385..1133		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	46645	Seq. ID	OJ000217_17.0403.C53
Gene No.	99047	Strand	-
Start	364	End	1133
Name	OJ000217_17.0403.C53.o1.tm	Method	TBLASTX:Maize
Start	813	End	1131
GI	none	Score	98
Exons	813..836, 950..1066, 952..1065, 1066..1131		

Seq. No.	46646	Seq. ID	OJ000217_17.0403.C55
Gene No.	99048	Strand	+
Start	1	End	1265
Name	OJ000217_17.0403.C55.o1.gp	Method	AAT/GAP
Start	1	End	1265
GI	42828_1.R1084	Score	587
Exons	1..90, 942..1073, 1176..1265		
GI Descrip.	'4006877/emb|CAB16795.1| 6.0e-19 (Z99707) RNA-binding like protein [Arabidopsis thaliana]'		

Seq. No.	46646	Seq. ID	OJ000217_17.0403.C55
Gene No.	99048	Strand	+
Start	1	End	1265
Name	OJ000217_17.0403.C55.o1.np	Method	AAT/NAP
Start	1158	End	1265
GI	4006877	Score	110
Exons	1158..1265		
GI Descrip.	(Z99707) RNA-binding like protein [Arabidopsis thaliana]		

Seq. No.	46647	Seq. ID	OJ000217_17.0403.C57
Gene No.	99049	Strand	+
Start	307	End	751
Name	OJ000217_17.0403.C57.o1.gp	Method	AAT/GAP
Start	307	End	751
GI	3219166	Score	626
Exons	307..751		
GI Descrip.	6041757/gb|AC011806.1|AC011806 1.0e-94 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	46647	Seq. ID	OJ000217_17.0403.C57
Gene No.	99050	Strand	-
Start	1	End	1565
Name	OJ000217_17.0403.C57.o1.np	Method	AAT/NAP
Start	1	End	801
GI	4680204	Score	343
Exons	1..801		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	46647	Seq. ID	OJ000217_17.0403.C57
Gene No.	99050	Strand	-
Start	1	End	1565
Name	OJ000217_17.0403.C57.o1.gs	Method	GENSCAN
Start	311	End	1565
GI	none	Score	.53
Exons	311..494, 505..786, 1499..1565		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99051	Strand	+
Start	1	End	11841
Name	OJ000217_17.0403.C58.o1.np	Method	AAT/NAP
Start	1	End	1291
GI	1418331	Score	599
Exons	1..528, 698..1291		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99051	Strand	+
Start	1	End	11841
Name	OJ000217_17.0403.C58.o1.gs	Method	GENSCAN
Start	272	End	11841
GI	none	Score	.63
Exons	272..542, 715..947, 1002..1308, 1314..1385, 3065..3260, 5584..5778, 7066..7387, 7409..7511, 7868..7914, 8208..8746, 11044..11841		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o5.ts	Method	TBLASTX:Soybean
Start	268	End	507
GI	none	Score	81
Exons	268..357, 352..507		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o1.tc	Method	TBLASTX:Cress
Start	271	End	1264
GI	none	Score	67
Exons	271..351, 352..510, 698..892, 710..874, 892..1023, 896..1024, 1040..1264		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o4.tm	Method	TBLASTX:Maize
Start	448	End	1294
GI	none	Score	90
Exons	448..543, 698..877, 754..876, 896..1024, 907..1035, 1061..1294, 1061..1246		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+

Start	11783	End	16526
Name	OJ000217_17.0403.C58.o9.tw	Method	TBLASTX:Wheat
Start	713	End	1027
GI	none	Score	143
Exons	713..865, 907..1023, 908..1027		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o2.ts	Method	TBLASTX:Soybean
Start	718	End	1138
GI	none	Score	187
Exons	718..879, 722..889, 907..1017, 908..1018, 1034..1135, 1061..1138		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o2.np	Method	AAT/NAP
Start	11783	End	16523
GI	4680179	Score	5632
Exons	11783..11828, 12105..13094, 13122..16523		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o2.gs	Method	GENSCAN
Start	12105	End	16526
GI	none	Score	.55
Exons	12105..13034, 13101..13200, 13249..16526		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o10.tw	Method	TBLASTX:Wheat
Start	12266	End	12464
GI	none	Score	189
Exons	12266..12463, 12276..12464, 12282..12464		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o7.tm	Method	TBLASTX:Maize
Start	12516	End	12821
GI	none	Score	237
Exons	12516..12821		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o7.tw	Method	TBLASTX:Wheat
Start	12516	End	12866
GI	none	Score	312
Exons	12516..12866		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+

Start	11783	End	16526
Name	OJ000217_17.0403.C58.o8.tw	Method	TBLASTX:Wheat
Start	13200	End	13553
GI	none	Score	253
Exons	13200..13553, 13290..13484		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o8.tm	Method	TBLASTX:Maize
Start	13557	End	13750
GI	none	Score	188
Exons	13557..13748, 13595..13750		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o4.tw	Method	TBLASTX:Wheat
Start	13685	End	14169
GI	none	Score	535
Exons	13685..14125, 13686..14168, 13722..14165, 13795..14169		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o6.ts	Method	TBLASTX:Soybean
Start	13722	End	14036
GI	none	Score	198
Exons	13722..14036		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o5.tm	Method	TBLASTX:Maize
Start	13751	End	14198
GI	none	Score	373
Exons	13751..13993, 13755..14198		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o1.ts	Method	TBLASTX:Soybean
Start	14109	End	14504
GI	none	Score	57
Exons	14109..14141, 14109..14141, 14145..14198, 14147..14188, 14253..14504, 14261..14494		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o6.tm	Method	TBLASTX:Maize
Start	14253	End	14585
GI	none	Score	303
Exons	14253..14585, 14306..14584		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+

Start	11783	End	16526
Name	OJ000217_17.0403.C58.o5.tw	Method	TBLASTX:Wheat
Start	14256	End	14519
GI	none	Score	367
Exons	14256..14519, 14258..14518		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o3.tw	Method	TBLASTX:Wheat
Start	14520	End	14945
GI	none	Score	598
Exons	14520..14945, 14522..14938, 14595..14945		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o4.ts	Method	TBLASTX:Soybean
Start	14526	End	14774
GI	none	Score	207
Exons	14526..14774		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o2.tm	Method	TBLASTX;Maize
Start	14592	End	14945
GI	none	Score	463
Exons	14592..14945, 14597..14938		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o2.tw	Method	TBLASTX:Wheat
Start	14973	End	15513
GI	none	Score	617
Exons	14973..15512, 15155..15490, 15259..15513		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o2.tc	Method	TBLASTX:Cress
Start	15210	End	15536
GI	none	Score	90
Exons	15210..15392, 15393..15536, 15395..15535		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o3.ts	Method	TBLASTX:Soybean
Start	15300	End	15560
GI	none	Score	292
Exons	15300..15560, 15311..15559		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526

Name	OJ000217_17.0403.C58.o3.tm	Method	TBLASTX:Maize
Start	15359	End	15650
GI	none	Score	402
Exons	15359..15646, 15360..15650		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o1.tw	Method	TBLASTX:Wheat
Start	15519	End	16145
GI	none	Score	709
Exons	15519..16145, 15575..16024, 16085..16144		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o1.tm	Method	TBLASTX:Maize
Start	15698	End	16283
GI	none	Score	225
Exons	15698..15853, 15699..15860, 15857..16021, 15858..16283, 15978..16262, 16085..16282		

Seq. No.	46648	Seq. ID	OJ000217_17.0403.C58
Gene No.	99052	Strand	+
Start	11783	End	16526
Name	OJ000217_17.0403.C58.o6.tw	Method	TBLASTX:Wheat
Start	16145	End	16478
GI	none	Score	313
Exons	16145..16426, 16146..16478		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99053	Strand	+
Start	102	End	2096
Name	OJ000217_17.0403.C59.o1.gs	Method	GENSCAN
Start	102	End	2096
GI	none	Score	.5
Exons	102..136, 848..1004, 1412..1530, 2015..2096		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99054	Strand	+
Start	2446	End	23337
Name	OJ000217_17.0403.C59.o2.gs	Method	GENSCAN
Start	2446	End	23337
GI	none	Score	.47
Exons	2446..2631, 3363..3588, 6433..6466, 8354..9862, 10295..11842, 11951..12415, 12574..12614, 14410..14521, 14527..14712, 15129..15327, 15565..15805, 15974..17367, 17593..17758, 17858..17998, 19058..19296, 19489..19591, 19643..19925, 19957..19979, 20161..20420, 20625..21616, 21709..22331, 23255..23337		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99054	Strand	+
Start	2446	End	23337
Name	OJ000217_17.0403.C59.o1.gp	Method	AAT/GAP
Start	10269	End	10737
GI	2428447	Score	839

Exons	10269..10737		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99054	Strand	+
Start	2446	End	23337
Name	OJ000217_17.0403.C59.o1.np	Method	AAT/NAP
Start	15454	End	19846
GI	6466937	Score	2315
Exons	15454..16145, 16182..19846		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99055	Strand	+
Start	30473	End	32651
Name	OJ000217_17.0403.C59.o4.gs	Method	GENSCAN
Start	30473	End	32651
GI	none	Score	.6
Exons	30473..30607, 30635..30937, 31084..31288, 31449..31468, 31507..31633, 32065..32651		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99056	Strand	-
Start	25021	End	27144
Name	OJ000217_17.0403.C59.o2.np	Method	AAT/NAP
Start	25021	End	27144
GI	6069653	Score	1442
Exons	25021..26049, 26077..26902, 26937..27144		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99057	Strand	-
Start	28181	End	30447
Name	OJ000217_17.0403.C59.o3.np	Method	AAT/NAP
Start	28181	End	30447
GI	4680186	Score	183
Exons	28181..28248, 28830..29061, 30407..30447		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o1.tc	Method	TBLASTX:Cress
Start	9486	End	22258
GI	none	Score	114
Exons	9486..9671, 9672..9830, 11130..11225, 11478..11651, 11640..11810, 11946..12125, 11949..12140, 12128..12259, 12132..12260, 12291..12500, 12307..12336, 20904..20999, 21252..21425, 21414..21584, 21706..21864, 21707..21886, 21707..21871, 21886..22017, 21890..22018, 22049..22258		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o8.tm	Method	TBLASTX:Maize
Start	9522	End	21521
GI	none	Score	112

Exons	9522..9635, 9539..9634, 9669..9767, 9677..9772, 9677..9766, 11502..11615, 11519..11614, 11640..11747, 11660..11752, 11660..11746, 21276..21389, 21293..21388, 21414..21521, 21421..21516, 21434..21520		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o1.ts	Method	TBLASTX:Soybean
Start	9600	End	21979
GI	none	Score	58
Exons	9600..9656, 9672..9875, 11580..11636, 11652..11855, 11946..12110, 12029..12106, 12132..12221, 12144..12215, 21354..21410, 21426..21617, 21706..21864, 21707..21868, 21890..21979		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o6.tw	Method	TBLASTX:Wheat
Start	9699	End	21934
GI	none	Score	85
Exons	9699..9848, 11679..11828, 11949..12176, 21453..21602, 21707..21934		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o5.tm	Method	TBLASTX:Maize
Start	9774	End	22288
GI	none	Score	90
Exons	9774..9893, 11754..11873, 11949..12110, 11988..12110, 12132..12287, 12297..12527, 12297..12524, 21522..21617, 21706..21867, 21707..21868, 21740..21868, 21890..22018, 21901..22080, 22055..22288, 22061..22234		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o6.tm	Method	TBLASTX:Maize
Start	16141	End	16992
GI	none	Score	122
Exons	16141..16275, 16354..16596, 16687..16767, 16888..16992		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o1.tw	Method	TBLASTX:Wheat
Start	16981	End	17463
GI	none	Score	366
Exons	16981..17463, 17085..17459		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o5.ts	Method	TBLASTX:Soybean
Start	17017	End	17331

GI	none	Score	208
Exons	17017..17331		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o3.tm	Method	TBLASTX:Maize
Start	17044	End	17517
GI	none	Score	582
Exons	17044..17517, 17085..17507		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o3.ts	Method	TBLASTX:Soybean
Start	17440	End	17799
GI	none	Score	282
Exons	17440..17799, 17608..17781		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o7.tm	Method	TBLASTX:Maize
Start	17520	End	17742
GI	none	Score	80
Exons	17520..17687, 17550..17726, 17566..17742		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o4.tw	Method	TBLASTX:Wheat
Start	17566	End	17913
GI	none	Score	302
Exons	17566..17913		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o2.tm	Method	TBLASTX:Maize
Start	17745	End	18366
GI	none	Score	564
Exons	17745..18233, 17746..18237, 18244..18366		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o4.ts	Method	TBLASTX:Soybean
Start	17823	End	18066
GI	none	Score	222
Exons	17823..17972, 17824..18066, 17827..18021		

Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o2.tw	Method	TBLASTX:Wheat
Start	18220	End	18654
GI	none	Score	331

Exons	18220..18243, 18255..18569, 18256..18654, 18292..18654		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o1.tm	Method	TBLASTX:Maize
Start	18490	End	19125
GI	none	Score	734
Exons	18490..19125, 18492..19124, 18667..19125		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o2.ts	Method	TBLASTX:Soybean
Start	18514	End	18897
GI	none	Score	309
Exons	18514..18897, 18627..18893		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o5.tw	Method	TBLASTX:Wheat
Start	18745	End	19125
GI	none	Score	300
Exons	18745..19125, 18840..19124		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o4.tm	Method	TBLASTX:Maize
Start	19171	End	19737
GI	none	Score	505
Exons	19171..19737, 19174..19257, 19254..19478		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o3.tw	Method	TBLASTX:Wheat
Start	19192	End	19494
GI	none	Score	310
Exons	19192..19494, 19225..19473, 19296..19478		
Seq. No.	46649	Seq. ID	OJ000217_17.0403.C59
Gene No.	99058	Strand	-
Start	32948	End	35509
Name	OJ000217_17.0403.C59.o5.gs	Method	GENSCAN
Start	32948	End	35509
GI	none	Score	.44
Exons	32948..33075, 33486..33604, 35241..35372, 35409..35509		
Seq. No.	46650	Seq. ID	OJ000217_17.0403.C60
Gene No.	99059	Strand	+
Start	1952	End	6582
Name	OJ000217_17.0403.C60.o2.np	Method	AAT/NAP
Start	1952	End	6582
GI	5668816	Score	301
Exons	1952..2044, 2169..2322, 2935..3029, 3375..3434, 3521..3612,		

	3692..3827, 3924..4049, 6557..6582		
GI Descrip.	(AC007519) F16N3.15 [Arabidopsis thaliana]		
Seq. No.	46650	Seq. ID	OJ000217_17.0403.C60
Gene No.	99060	Strand	-
Start	84	End	5580
Name	OJ000217_17.0403.C60.o1.gs	Method	GENSCAN
Start	84	End	5580
GI	none	Score	.44
Exons	84..744, 887..1017, 1054..1177, 1823..2030, 2100..2402, 2508..2567, 2689..2736, 5499..5580		
Seq. No.	46650	Seq. ID	OJ000217_17.0403.C60
Gene No.	99060	Strand	-
Start	84	End	5580
Name	OJ000217_17.0403.C60.o1.np	Method	AAT/NAP
Start	865	End	1154
GI	7487343	Score	121
Exons	865..1154		
GI Descrip.	hypothetical protein T22F8.200 - Arabidopsis thaliana gi|4914442|emb|CAB43645.1| (AL050351) putative protein [Arabidopsis thaliana] gi|7270914|emb|CAB80593.1| (AL161595) putative protein [Arabidopsis thaliana]		
Seq. No.	46650	Seq. ID	OJ000217_17.0403.C60
Gene No.	99060	Strand	-
Start	84	End	5580
Name	OJ000217_17.0403.C60.o1.tm	Method	TBLASTX:Maize
Start	884	End	1152
GI	none	Score	89
Exons	884..1021, 892..1032, 1048..1134, 1099..1152		
Seq. No.	46651	Seq. ID	OJ000217_17.0403.C61
Gene No.	99061	Strand	+
Start	1	End	522
Name	OJ000217_17.0403.C61.o1.gp	Method	AAT/GAP
Start	1	End	522
GI	2428744	Score	667
Exons	1..23, 195..522		
Seq. No.	46651	Seq. ID	OJ000217_17.0403.C61
Gene No.	99061	Strand	+
Start	1	End	522
Name	OJ000217_17.0403.C61.o1.gs	Method	GENSCAN
Start	195	End	361
GI	none	Score	.98
Exons	195..361		
Seq. No.	46651	Seq. ID	OJ000217_17.0403.C61
Gene No.	99062	Strand	+
Start	3139	End	3960
Name	OJ000217_17.0403.C61.o2.gp	Method	AAT/GAP
Start	3139	End	3960
GI	24989_1.R1084	Score	318
Exons	3139..3343, 3919..3960		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	46651	Seq. ID	OJ000217_17.0403.C61
Gene No.	99063	Strand	-
Start	1897	End	4985
Name	OJ000217_17.0403.C61.o2.gs	Method	GENSCAN
Start	1897	End	4985
GI	none	Score	.52
Exons	1897..1990, 2688..2724, 3806..3925, 4023..4090, 4957..4985		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99064	Strand	+
Start	8883	End	12849
Name	OJ000217_17.0403.C62.o2.gp	Method	AAT/GAP
Start	8883	End	9129
GI	3761181	Score	439
Exons	8883..9129		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99064	Strand	+
Start	8883	End	12849
Name	OJ000217_17.0403.C62.o1.np	Method	AAT/NAP
Start	9027	End	12849
GI	7106512	Score	4596
Exons	9027..9086, 9160..10840, 11497..12421, 12476..12849		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99065	Strand	+
Start	14978	End	15312
Name	OJ000217_17.0403.C62.o3.gp	Method	AAT/GAP
Start	14978	End	15224
GI	3761181	Score	437
Exons	14978..15224		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99065	Strand	+
Start	14978	End	15312
Name	OJ000217_17.0403.C62.o3.np	Method	AAT/NAP
Start	15122	End	15312
GI	7106512	Score	134
Exons	15122..15181, 15255..15312		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99066	Strand	+
Start	16029	End	16435
Name	OJ000217_17.0403.C62.o3.gs	Method	GENSCAN
Start	16029	End	16435
GI	none	Score	.95
Exons	16029..16110, 16194..16435		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99067	Strand	+
Start	21105	End	22016
Name	OJ000217_17.0403.C62.o5.gp	Method	AAT/GAP
Start	21105	End	22016
GI	31877_1.R1084	Score	221
Exons	21105..21122, 21735..21804, 21939..22016		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99068	Strand	+
Start	25898	End	30423
Name	OJ000217_17.0403.C62.o6.gs	Method	GENSCAN
Start	25898	End	30423
GI	none	Score	.61
Exons	25898..25965, 26473..26510, 26806..26898, 29452..29592, 30293..30423		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99069	Strand	-
Start	3037	End	3174
Name	OJ000217_17.0403.C62.o1.gp	Method	AAT/GAP
Start	3037	End	3174
GI	LIB3431-027-P1-K1-D5	Score	245
Exons	3037..3174		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99070	Strand	-
Start	11551	End	16509
Name	OJ000217_17.0403.C62.o2.gs	Method	GENSCAN
Start	11551	End	15395
GI	none	Score	.57
Exons	11551..11781, 11836..12064, 12194..12384, 13244..13371, 15194..15395		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99070	Strand	-
Start	11551	End	16509
Name	OJ000217_17.0403.C62.o4.np	Method	AAT/NAP
Start	13015	End	16509
GI	5295951	Score	142
Exons	13015..13053, 16291..16509		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99070	Strand	-
Start	11551	End	16509
Name	OJ000217_17.0403.C62.o2.np	Method	AAT/NAP
Start	13238	End	13390
GI	7106513	Score	231
Exons	13238..13390		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99071	Strand	-
Start	17639	End	18844
Name	OJ000217_17.0403.C62.o4.gs	Method	GENSCAN
Start	17639	End	18844
GI	none	Score	.81
Exons	17639..17884, 17899..18173, 18619..18844		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99072	Strand	-
Start	19690	End	24483
Name	OJ000217_17.0403.C62.o4.gp	Method	AAT/GAP
Start	19529	End	20102
GI	2428744	Score	767
Exons	19529..19856, 20028..20102		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99072	Strand	-
Start	19690	End	24483
Name	OJ000217_17.0403.C62.o5.gs	Method	GENSCAN
Start	19690	End	24483
GI	none	Score	.43
Exons	19690..19856, 20028..20340, 21875..22009, 22753..22815, 23036..23055, 23122..23164, 24433..24483		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99072	Strand	-
Start	19690	End	24483
Name	OJ000217_17.0403.C62.o6.gp	Method	AAT/GAP
Start	22622	End	23445
GI	24989_1.R1084	Score	307
Exons	22622..22818, 23421..23445		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99073	Strand	-
Start	27990	End	28296
Name	OJ000217_17.0403.C62.o7.gp	Method	AAT/GAP
Start	27990	End	28296
GI	62565_1.R1084	Score	487
Exons	27990..28296		
GI Descrip.	'2149018/gb|U70541|OSU70541 1.0e-23 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99074	Strand	-
Start	29066	End	29382
Name	OJ000217_17.0403.C62.o8.gp	Method	AAT/GAP
Start	29066	End	29382
GI	LIB3433-016-Q6-K6-G7	Score	554
Exons	29066..29382		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62

Gene No.	99075	Strand	-
Start	30176	End	33212
Name	OJ000217_17.0403.C62.o5.np	Method	AAT/NAP
Start	30176	End	33212
GI	6665549	Score	56
Exons	30176..30194, 33076..33212		
GI Descrip.	(AC013289) putative cullin [Arabidopsis thaliana]		

Seq. No.	46652	Seq. ID	OJ000217_17.0403.C62
Gene No.	99075	Strand	-
Start	30176	End	33212
Name	OJ000217_17.0403.C62.o9.gp	Method	AAT/GAP
Start	30556	End	32525
GI	2800878	Score	253
Exons	30556..30615, 31909..31949, 32434..32525		
GI Descrip.	2280517/dbj|AB005878|AB005878 3.0e-24 Nicotiana tabacum mRNA for BYJ15, partial cds		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99076	Strand	+
Start	270	End	3047
Name	OJ000217_17.0403.C63.o1.gs	Method	GENSCAN
Start	270	End	3047
GI	none	Score	.43
Exons	270..407, 424..513, 539..784, 1131..1486, 2282..2460, 2599..3047		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99076	Strand	+
Start	270	End	3047
Name	OJ000217_17.0403.C63.o2.np	Method	AAT/NAP
Start	532	End	3044
GI	7248394	Score	569
Exons	532..645, 2056..2562, 2830..3044		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99077	Strand	+
Start	5952	End	6070
Name	OJ000217_17.0403.C63.o3.np	Method	AAT/NAP
Start	5952	End	6070
GI	7340868	Score	38
Exons	5952..6070		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99078	Strand	+
Start	6271	End	6566
Name	OJ000217_17.0403.C63.o1.gp	Method	AAT/GAP
Start	6271	End	6566
GI	61605_3.R1084	Score	455
Exons	6271..6566		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99079	Strand	-
Start	405	End	1677
Name	OJ000217_17.0403.C63.o1.np	Method	AAT/NAP
Start	405	End	1677
GI	6523547	Score	340
Exons	405..930, 1152..1677		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99080	Strand	-
Start	3300	End	7628
Name	OJ000217_17.0403.C63.o1.ts	Method	TBLASTX:Soybean
Start	2543	End	2897
GI	none	Score	124
Exons	2543..2665, 2544..2756, 2763..2897		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99080	Strand	-
Start	3300	End	7628
Name	OJ000217_17.0403.C63.o1.tw	Method	TBLASTX:Wheat
Start	2703	End	3051
GI	none	Score	68
Exons	2703..2750, 2745..3044, 2753..3031, 2754..3047, 2881..3051		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99080	Strand	-
Start	3300	End	7628
Name	OJ000217_17.0403.C63.o1.tm	Method	TBLASTX:Maize
Start	2748	End	3013
GI	none	Score	348
Exons	2748..3011, 2753..3013, 2753..3013		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99080	Strand	-
Start	3300	End	7628
Name	OJ000217_17.0403.C63.o2.gs	Method	GENSCAN
Start	3300	End	7086
GI	none	Score	.75
Exons	3300..4160, 4257..4290, 4684..4812, 5914..6028, 7074..7086		

Seq. No.	46653	Seq. ID	OJ000217_17.0403.C63
Gene No.	99080	Strand	-
Start	3300	End	7628
Name	OJ000217_17.0403.C63.o4.np	Method	AAT/NAP
Start	6934	End	7628
GI	6063554	Score	228
Exons	6934..7106, 7482..7628		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46654	Seq. ID	OJ000217_17.0403.C64
Gene No.	99081	Strand	-
Start	982	End	1462

Name	OJ000217_17.0403.C64.o1.gs	Method	GENSCAN
Start	982	End	1462
GI	none	Score	.62
Exons	982..1035, 1424..1462		

Seq. No.	46655	Seq. ID	OJ000217_17.0403.C65
Gene No.	99082	Strand	+
Start	64	End	301
Name	OJ000217_17.0403.C65.o1.gs	Method	GENSCAN
Start	64	End	301
GI	none	Score	.64
Exons	64..173, 250..301		

Seq. No.	46655	Seq. ID	OJ000217_17.0403.C65
Gene No.	99083	Strand	+
Start	2085	End	2171
Name	OJ000217_17.0403.C65.o1.gp	Method	AAT/GAP
Start	2085	End	2171
GI	2312838	Score	66
Exons	2085..2171		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	46655	Seq. ID	OJ000217_17.0403.C65
Gene No.	99084	Strand	-
Start	1679	End	1832
Name	OJ000217_17.0403.C65.o2.gs	Method	GENSCAN
Start	1679	End	1832
GI	none	Score	.98
Exons	1679..1832		

Seq. No.	46656	Seq. ID	OJ000217_17.0403.C66
Gene No.	99085	Strand	-
Start	1	End	1367
Name	OJ000217_17.0403.C66.o1.np	Method	AAT/NAP
Start	1	End	1367
GI	6983857	Score	1059
Exons	1..445, 616..1177, 1240..1367		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	46656	Seq. ID	OJ000217_17.0403.C66
Gene No.	99085	Strand	-
Start	1	End	1367
Name	OJ000217_17.0403.C66.o1.gs	Method	GENSCAN
Start	107	End	280
GI	none	Score	1
Exons	107..280		

Seq. No.	46656	Seq. ID	OJ000217_17.0403.C66
Gene No.	99085	Strand	-
Start	1	End	1367
Name	OJ000217_17.0403.C66.o2.gs	Method	GENSCAN
Start	596	End	1169
GI	none	Score	.47
Exons	596..1036, 1131..1169		

Seq. No.	46657	Seq. ID	OJ000217_17.0403.C70

Gene No.	99086	Strand	+
Start	1	End	715
Name	OJ000217_17.0403.C70.o1.np	Method	AAT/NAP
Start	1	End	715
GI	7228442	Score	1273
Exons	1..715		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46657	Seq. ID	OJ000217_17.0403.C70
Gene No.	99086	Strand	+
Start	1	End	715
Name	OJ000217_17.0403.C70.o1.tm	Method	TBLASTX:Maize
Start	47	End	643
GI	none	Score	93
Exons	47..175, 55..153, 209..508, 226..447, 572..643		

Seq. No.	46657	Seq. ID	OJ000217_17.0403.C70
Gene No.	99086	Strand	+
Start	1	End	715
Name	OJ000217_17.0403.C70.o1.gp	Method	AAT/GAP
Start	90	End	521
GI	5701669	Score	841
Exons	90..521		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	46657	Seq. ID	OJ000217_17.0403.C70
Gene No.	99086	Strand	+
Start	1	End	715
Name	OJ000217_17.0403.C70.o1.tw	Method	TBLASTX:Wheat
Start	341	End	712
GI	none	Score	208
Exons	341..535, 350..547, 541..666, 545..712, 545..709		

Seq. No.	46658	Seq. ID	OJ000217_17.0403.C71
Gene No.	99087	Strand	+
Start	1	End	118
Name	OJ000217_17.0403.C71.o1.np	Method	AAT/NAP
Start	1	End	118
GI	4680203	Score	97
Exons	1..118		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	46658	Seq. ID	OJ000217_17.0403.C71
Gene No.	99088	Strand	-
Start	1	End	192
Name	OJ000217_17.0403.C71.o1.gp	Method	AAT/GAP
Start	1	End	192
GI	LIB3431-028-P1-N1-A10	Score	227
Exons	1..192		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	46659	Seq. ID	OJ000217_17.0403.C72

Gene No.	99089	Strand	+
Start	281	End	1413
Name	OJ000217_17.0403.C72.o1.gs	Method	GENSCAN
Start	281	End	1413
GI	none	Score	.79
Exons	281..618, 753..965, 1054..1227, 1317..1413		

Seq. No.	46660	Seq. ID	OJ000217_17.0403.C74
Gene No.	99090	Strand	+
Start	277	End	710
Name	OJ000217_17.0403.C74.o1.np	Method	AAT/NAP
Start	277	End	710
GI	4262224	Score	274
Exons	277..377, 498..710		
GI Descrip.	(AC006200) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	46660	Seq. ID	OJ000217_17.0403.C74
Gene No.	99090	Strand	+
Start	277	End	710
Name	OJ000217_17.0403.C74.o1.gs	Method	GENSCAN
Start	289	End	685
GI	none	Score	.89
Exons	289..377, 498..685		

Seq. No.	46660	Seq. ID	OJ000217_17.0403.C74
Gene No.	99090	Strand	+
Start	277	End	710
Name	OJ000217_17.0403.C74.o1.tc	Method	TBLASTX:Cress
Start	316	End	710
GI	none	Score	69
Exons	316..390, 501..710, 504..704, 505..708		

Seq. No.	46660	Seq. ID	OJ000217_17.0403.C74
Gene No.	99090	Strand	+
Start	277	End	710
Name	OJ000217_17.0403.C74.o1.ts	Method	TBLASTX:Soybean
Start	331	End	710
GI	none	Score	53
Exons	331..378, 493..672, 510..668, 675..710, 676..708		

Seq. No.	46660	Seq. ID	OJ000217_17.0403.C74
Gene No.	99090	Strand	+
Start	277	End	710
Name	OJ000217_17.0403.C74.o1.tm	Method	TBLASTX:Maize
Start	492	End	708
GI	none	Score	185
Exons	492..692, 514..708		

Seq. No.	46661	Seq. ID	OJ000217_17.0403.C75
Gene No.	99091	Strand	-
Start	395	End	701
Name	OJ000217_17.0403.C75.o1.gs	Method	GENSCAN
Start	395	End	701
GI	none	Score	.41
Exons	395..701		

Seq. No.	46662	Seq. ID	OJ000217_17.0403.C76

Gene No.	99092	Strand	-
Start	233	End	656
Name	OJ000217_17.0403.C76.o1.gs	Method	GENSCAN
Start	233	End	656
GI	none	Score	.52
Exons	233..402, 404..554, 636..656		

Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o1.np	Method	AAT/NAP
Start	46	End	1053
GI	4097938	Score	1185
Exons	46..1053		
GI Descrip.	(U72250) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o2.tm	Method	TBLASTX:Maize
Start	69	End	552
GI	none	Score	131
Exons	69..266, 113..238, 121..345, 124..297, 298..552, 332..379, 345..542		

Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o1.tc	Method	TBLASTX:Cress
Start	82	End	1056
GI	none	Score	165
Exons	82..306, 349..492, 499..579, 577..723, 718..1056, 822..935		

Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o1.gp	Method	AAT/GAP
Start	105	End	290
GI	428180	Score	322
Exons	105..290		
GI Descrip.	3037080 2.0e-18 (AF055328) glucan endo-1,3-beta-glucosidase isoenzyme I [Hordeum vulgare]		

Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o1.gs	Method	GENSCAN
Start	122	End	1062
GI	none	Score	.61
Exons	122..1062		

Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o1.ts	Method	TBLASTX:Soybean
Start	126	End	1056
GI	none	Score	144

Exons	126..188, 127..288, 349..429, 384..416, 477..563, 493..570, 568..696, 600..695, 727..933, 822..863, 933..1034, 934..1056, 940..1044		
Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o2.tw	Method	TBLASTX:Wheat
Start	165	End	519
GI	none	Score	135
Exons	165..290, 166..315, 178..336, 316..339, 320..340, 376..420, 387..419, 423..518, 424..519		
Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o1.tm	Method	TBLASTX:Maize
Start	660	End	1056
GI	none	Score	535
Exons	660..1037, 661..1056		
Seq. No.	46663	Seq. ID	OJ000217_17.0403.C78
Gene No.	99093	Strand	+
Start	46	End	1067
Name	OJ000217_17.0403.C78.o1.tw	Method	TBLASTX:Wheat
Start	772	End	1067
GI	none	Score	349
Exons	772..1053, 822..1067		
Seq. No.	46664	Seq. ID	OJ000217_17.0403.C79
Gene No.	99094	Strand	+
Start	1742	End	5404
Name	OJ000217_17.0403.C79.o3.np	Method	AAT/NAP
Start	1742	End	5404
GI	4539658	Score	149
Exons	1742..1810, 3240..3295, 3337..3553, 5368..5404		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	46664	Seq. ID	OJ000217_17.0403.C79
Gene No.	99094	Strand	+
Start	1742	End	5404
Name	OJ000217_17.0403.C79.o5.np	Method	AAT/NAP
Start	4307	End	5404
GI	1706329	Score	40
Exons	4307..4382, 5330..5404		
GI Descrip.	PYRUVATE DECARBOXYLASE ISOZYME 2 (PDC) gi|2146788|pir||S65471 pyruvate decarboxylase (EC 4.1.1.1) (clone PDC2) - garden pea (fragment) gi|1177605|emb|CAA91445.1| (Z66544) pyruvate decarboxylase [Pisum sativum]		
Seq. No.	46664	Seq. ID	OJ000217_17.0403.C79
Gene No.	99095	Strand	-
Start	1	End	1765
Name	OJ000217_17.0403.C79.o1.np	Method	AAT/NAP
Start	1	End	1172
GI	6983857	Score	1155

Exons	1..259, 430..991, 1055..1172		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		
Seq. No.	46664	Seq. ID	OJ000217_17.0403.C79
Gene No.	99095	Strand	-
Start	1	End	1765
Name	OJ000217_17.0403.C79.o1.gs	Method	GENSCAN
Start	410	End	1765
GI	none	Score	.86
Exons	410..856, 1683..1765		
Seq. No.	46664	Seq. ID	OJ000217_17.0403.C79
Gene No.	99096	Strand	-
Start	1856	End	5314
Name	OJ000217_17.0403.C79.o2.np	Method	AAT/NAP
Start	1856	End	5314
GI	4680186	Score	164
Exons	1856..2274, 2803..2862, 5283..5314		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	46664	Seq. ID	OJ000217_17.0403.C79
Gene No.	99096	Strand	-
Start	1856	End	5314
Name	OJ000217_17.0403.C79.o4.np	Method	AAT/NAP
Start	3142	End	5031
GI	7339719	Score	107
Exons	3142..3223, 3637..3786, 4987..5031		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99097	Strand	-
Start	1432	End	2211
Name	OJ000217_17.0403.C80.o1.gs	Method	GENSCAN
Start	1432	End	2211
GI	none	Score	.74
Exons	1432..1546, 1840..1914, 2006..2211		
Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o1.gp	Method	AAT/GAP
Start	2456	End	2833
GI	3767348	Score	641
Exons	2456..2833		
GI Descrip.	322838/pir||JC1438 5.0e-27 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) V - barley		
Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o2.gs	Method	GENSCAN
Start	2618	End	3589
GI	none	Score	.71
Exons	2618..3589		
Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-

Start	2456	End	4791
Name	OJ000217_17.0403.C80.o1.np	Method	AAT/NAP
Start	2624	End	3574
GI	1352328	Score	1156
Exons	2624..3574		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) gi|1085814|pir||S46237 glucan endo-1,3-beta-glucosidase - barley gi|540580|gb|AAA21564.1| (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o1.tw	Method	TBLASTX:Wheat
Start	2625	End	2911
GI	none	Score	265
Exons	2625..2723, 2630..2911, 2634..2906		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o1.tc	Method	TBLASTX:Cress
Start	2630	End	3572
GI	none	Score	108
Exons	2630..2965, 2748..2927, 2969..3211, 2989..3075, 3036..3230, 3168..3440, 3176..3394, 3392..3571, 3402..3572		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o1.tm	Method	TBLASTX:Maize
Start	2630	End	3022
GI	none	Score	296
Exons	2630..3022, 2631..2927, 2983..3021		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o1.ts	Method	TBLASTX:Soybean
Start	2630	End	3559
GI	none	Score	100
Exons	2630..2749, 2649..2750, 2750..2944, 2808..2927, 2987..3259, 3033..3104, 3263..3367, 3264..3428, 3401..3559		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o3.np	Method	AAT/NAP
Start	2654	End	4512
GI	6006359	Score	62
Exons	2654..2683, 4390..4512		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791

Name	OJ000217_17.0403.C80.o2.tm	Method	TBLASTX:Maize
Start	3023	End	3569
GI	none	Score	65
Exons	3023..3253, 3275..3346, 3380..3568, 3402..3569		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o2.tw	Method	TBLASTX:Wheat
Start	3125	End	3475
GI	none	Score	81
Exons	3125..3208, 3126..3224, 3150..3212, 3194..3475, 3203..3298, 3204..3449		

Seq. No.	46665	Seq. ID	OJ000217_17.0403.C80
Gene No.	99098	Strand	-
Start	2456	End	4791
Name	OJ000217_17.0403.C80.o2.np	Method	AAT/NAP
Start	3730	End	4791
GI	7340920	Score	136
Exons	3730..3845, 4767..4791		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	LIB3433-030-P1-K1-B10	Score	145
Exons	1..84		
GI Descrip.	'322838/pir||JC1438 5.0e-27 glucan endo-1,3-beta-D-glucosidase (EC 3.2.1.39) V - barley'		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o1.tw	Method	TBLASTX:Wheat
Start	1	End	278
GI	none	Score	275
Exons	1..273, 1..162, 3..278		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o1.np	Method	AAT/NAP
Start	1	End	941
GI	1352328	Score	1114
Exons	1..941		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) gi|1085814|pir||S46237 glucan endo-1,3-beta-glucosidase - barley gi|540580|gb|AAA21564.1| (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941

Name	OJ000217_17.0403.C81.o1.tc	Method	TBLASTX:Cress
Start	3	End	926
GI	none	Score	88
Exons	3..113, 16..114, 114..134, 168..470, 480..566, 484..564, 618..743, 801..926		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o1.tm	Method	TBLASTX:Maize
Start	3	End	389
GI	none	Score	60
Exons	3..131, 3..389, 4..294, 342..389		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o1.ts	Method	TBLASTX:Soybean
Start	3	End	926
GI	none	Score	117
Exons	3..116, 16..117, 117..311, 175..294, 354..428, 354..626, 630..734, 631..738, 792..926		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o1.gs	Method	GENSCAN
Start	15	End	934
GI	none	Score	.59
Exons	15..934		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o2.gp	Method	AAT/GAP
Start	379	End	704
GI	3767347	Score	600
Exons	379..704		
GI Descrip.	1352328/sp|Q02438|E13E_HORVU 1.0e-31 GLUCAN ENDO-1,3-BETA-GLUCOSIDASE GV ((1->3)-BETA-GLUCAN ENDOHYDROLASE GV) ((1->3)-BETA-GLUCANASE ISOENZYME GV) (BETA-1,3-ENDOGLUCANASE GV) >gi_1085814_pir__S46237 glucan endo-1,3-beta-glucosidase - barley >gi_540580 (M96939) glucan endo-1,3-beta-glucosidase [Hordeum vulgare]		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941
Name	OJ000217_17.0403.C81.o2.tm	Method	TBLASTX:Maize
Start	510	End	928
GI	none	Score	62
Exons	510..563, 571..741, 573..743, 792..926, 799..927, 827..928, 857..913		

Seq. No.	46666	Seq. ID	OJ000217_17.0403.C81
Gene No.	99099	Strand	-
Start	1	End	941

Name	OJ000217_17.0403.C81.o2.tw	Method	TBLASTX:Wheat
Start	540	End	903
GI	none	Score	38
Exons	540..563, 570..635, 574..636, 792..902, 793..903	639..671,	640..675, 687..746,

Seq. No.	46667	Seq. ID	OJ000217_17.0403.C83
Gene No.	99100	Strand	-
Start	1750	End	3646
Name	OJ000217_17.0403.C83.o1.gs	Method	GENSCAN
Start	1750	End	3240
GI	none	Score	.65
Exons	1750..2127, 2225..2892, 3021..3240		

Seq. No.	46667	Seq. ID	OJ000217_17.0403.C83
Gene No.	99100	Strand	-
Start	1750	End	3646
Name	OJ000217_17.0403.C83.o1.np	Method	AAT/NAP
Start	1784	End	3646
GI	4262224	Score	1155
Exons	1784..2127, 2225..2644, 2741..2922, 3021..3246, 3623..3646		
GI Descrip.	(AC006200) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	46667	Seq. ID	OJ000217_17.0403.C83
Gene No.	99100	Strand	-
Start	1750	End	3646
Name	OJ000217_17.0403.C83.o1.tm	Method	TBLASTX:Maize
Start	1787	End	2453
GI	none	Score	45
Exons	1787..1846, 1787..1846, 1849..2127, 1862..1933, 1984..2046, 1991..2128, 2025..2156, 2123..2443, 2208..2444, 2331..2453		

Seq. No.	46667	Seq. ID	OJ000217_17.0403.C83
Gene No.	99100	Strand	-
Start	1750	End	3646
Name	OJ000217_17.0403.C83.o1.tc	Method	TBLASTX:Cress
Start	1790	End	3255
GI	none	Score	209
Exons	1790..1855, 1805..2128, 1825..1932, 1984..2151, 2208..2645, 2225..2641, 2741..2923, 2742..2924, 3013..3252, 3020..3148, 3028..3255		

Seq. No.	46667	Seq. ID	OJ000217_17.0403.C83
Gene No.	99100	Strand	-
Start	1750	End	3646
Name	OJ000217_17.0403.C83.o1.ts	Method	TBLASTX:Soybean
Start	2330	End	2792
GI	none	Score	68
Exons	2330..2497, 2331..2498, 2489..2641, 2745..2792	2490..2645,	2741..2788,

Seq. No.	46667	Seq. ID	OJ000217_17.0403.C83
Gene No.	99100	Strand	-
Start	1750	End	3646
Name	OJ000217_17.0403.C83.o2.tm	Method	TBLASTX:Maize
Start	3019	End	3253
GI	none	Score	237

Exons	3019..3243, 3020..3241, 3025..3243, 3029..3253		
Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99101	Strand	-
Start	1	End	1093
Name	OJ000217_17.0403.C84.o1.np	Method	AAT/NAP
Start	1	End	540
GI	2444271	Score	358
Exons	1..322, 440..540		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		
Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99101	Strand	-
Start	1	End	1093
Name	OJ000217_17.0403.C84.o1.gs	Method	GENSCAN
Start	62	End	1093
GI	none	Score	.67
Exons	62..322, 440..576, 992..1093		
Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99102	Strand	-
Start	1211	End	2163
Name	OJ000217_17.0403.C84.o1.tc	Method	TBLASTX:Cress
Start	59	End	501
GI	none	Score	135
Exons	59..214, 59..184, 61..327, 278..316, 439..501		
Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99102	Strand	-
Start	1211	End	2163
Name	OJ000217_17.0403.C84.o1.ts	Method	TBLASTX:Soybean
Start	59	End	181
GI	none	Score	139
Exons	59..181, 59..172, 61..180		
Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99102	Strand	-
Start	1211	End	2163
Name	OJ000217_17.0403.C84.o2.tm	Method	TBLASTX:Maize
Start	61	End	324
GI	none	Score	57
Exons	61..213, 61..324, 74..232		
Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99102	Strand	-
Start	1211	End	2163
Name	OJ000217_17.0403.C84.o1.gp	Method	AAT/GAP
Start	1211	End	2124
GI	45840_1.R1084	Score	1152
Exons	1211..1587, 1767..1895, 2018..2124		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99102	Strand	-
Start	1211	End	2163

Name	OJ000217_17.0403.C84.o1.tm	Method	TBLASTX:Maize
Start	1424	End	2137
GI	none	Score	54
Exons	1424..1474, 1426..1476, 1500..1556, 1521..1556, 1767..1856, 1767..1859, 1781..1858, 1848..1922, 1848..1919, 2009..2125, 2015..2137, 2016..2126, 2036..2134		

Seq. No.	46668	Seq. ID	OJ000217_17.0403.C84
Gene No.	99102	Strand	-
Start	1211	End	2163
Name	OJ000217_17.0403.C84.o2.np	Method	AAT/NAP
Start	1755	End	2163
GI	4006877	Score	156
Exons	1755..1895, 2000..2163		
GI Descrip.	(Z99707) RNA-binding like protein [Arabidopsis thaliana]		

Seq. No.	46669	Seq. ID	OJ000217_17.0403.C86
Gene No.	99103	Strand	+
Start	426	End	678
Name	OJ000217_17.0403.C86.o1.gs	Method	GENSCAN
Start	426	End	678
GI	none	Score	.84
Exons	426..678		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99104	Strand	+
Start	419	End	2776
Name	OJ000217_17.0403.C87.o1.np	Method	AAT/NAP
Start	419	End	2776
GI	2444271	Score	347
Exons	419..461, 1261..1319, 1421..1743, 2697..2776		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99104	Strand	+
Start	419	End	2776
Name	OJ000217_17.0403.C87.o1.gs	Method	GENSCAN
Start	613	End	2180
GI	none	Score	.75
Exons	613..714, 1114..1319, 1421..1681, 1961..1983, 2095..2180		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99104	Strand	+
Start	419	End	2776
Name	OJ000217_17.0403.C87.o1.gp	Method	AAT/GAP
Start	1519	End	1681
GI	LIB3431-008-P1-K1-G12	Score	282
Exons	1519..1681		
GI Descrip.	'2444271 3.0e-51 (AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]'		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99104	Strand	+
Start	419	End	2776
Name	OJ000217_17.0403.C87.o2.gp	Method	AAT/GAP
Start	2429	End	2776

GI	9531_1.R1084	Score	648
Exons	2429..2776		
GI Descrip.	'5295954/dbj|BAA81855.1| 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]'		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99105	Strand	-
Start	2089	End	2770
Name	OJ000217_17.0403.C87.o1.tc	Method	TBLASTX:Cress
Start	1258	End	1733
GI	none	Score	74
Exons	1258..1320, 1272..1319, 1419..1682, 1421..1693, 1533..1733, 1625..1684		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99105	Strand	-
Start	2089	End	2770
Name	OJ000217_17.0403.C87.o1.ts	Method	TBLASTX:Soybean
Start	1273	End	1661
GI	none	Score	57
Exons	1273..1341, 1433..1591, 1434..1484, 1476..1595, 1598..1660, 1599..1661		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99105	Strand	-
Start	2089	End	2770
Name	OJ000217_17.0403.C87.o1.tm	Method	TBLASTX:Maize
Start	1419	End	1682
GI	none	Score	235
Exons	1419..1682, 1430..1669, 1533..1682		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99105	Strand	-
Start	2089	End	2770
Name	OJ000217_17.0403.C87.o2.np	Method	AAT/NAP
Start	2089	End	2770
GI	5295954	Score	590
Exons	2089..2185, 2355..2770		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	46670	Seq. ID	OJ000217_17.0403.C87
Gene No.	99105	Strand	-
Start	2089	End	2770
Name	OJ000217_17.0403.C87.o2.gs	Method	GENSCAN
Start	2310	End	2770
GI	none	Score	.63
Exons	2310..2513, 2567..2770		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99106	Strand	+
Start	1	End	2352
Name	OJ000217_17.0403.C88.o1.gp	Method	AAT/GAP
Start	1	End	52
GI	9531_1.R1084	Score	104
Exons	1..52		
GI Descrip.	'5295954/dbj|BAA81855.1| 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]'		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99106	Strand	+
Start	1	End	2352
Name	OJ000217_17.0403.C88:o2.np	Method	AAT/NAP
Start	1	End	2340
GI	2444271	Score	1226
Exons	1..205, 632..692, 800..1019, 1115..1296, 1388..1677, 1779..1908, 1996..2340		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99106	Strand	+
Start	1	End	2352
Name	OJ000217_17.0403.C88.o1.np	Method	AAT/NAP
Start	43	End	1702
GI	5295953	Score	383
Exons	43..343, 1605..1702		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99106	Strand	+
Start	1	End	2352
Name	OJ000217_17.0403.C88.o1.gs	Method	GENSCAN
Start	152	End	2352
GI	none	Score	.9
Exons	152..341, 800..1019, 1115..1296, 1388..1677, 1800..1908, 1996..2352		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99106	Strand	+
Start	1	End	2352
Name	OJ000217_17.0403.C88.o3.gp	Method	AAT/GAP
Start	774	End	1191
GI	LIB3431-008-P1-K1-G12	Score	553
Exons	774..1019, 1115..1191		
GI Descrip.	'2444271 3.0e-51 (AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]'		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99107	Strand	-
Start	78	End	488
Name	OJ000217_17.0403.C88.o2.gp	Method	AAT/GAP
Start	78	End	488
GI	LIB3431-022-P1-N1-F9	Score	814
Exons	78..488		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99108	Strand	-
Start	2254	End	2589
Name	OJ000217_17.0403.C88.o1.tc	Method	TBLASTX:Cress
Start	797	End	2333
GI	none	Score	200
Exons	797..883, 800..1021, 935..1012, 1107..1289, 1108..1296,		

1376..1666, 1387..1521, 1582..1677, 1765..1905, 1766..1852, 1776..1901, 1776..1907, 1777..1908, 1995..2033, 1995..2333, 1996..2331

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99108	Strand	-
Start	2254	End	2589
Name	OJ000217_17.0403.C88.o2.tm	Method	TBLASTX:Maize
Start	797	End	1143
GI	none	Score	253
Exons	797..1012, 799..1020, 800..1021, 1114..1143		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99108	Strand	-
Start	2254	End	2589
Name	OJ000217_17.0403.C88.o1.tm	Method	TBLASTX:Maize
Start	1588	End	2337
GI	none	Score	86
Exons	1588..1677, 1589..1666, 1761..1901, 1765..1905, 1766..1873, 1773..1904, 1777..1905, 1994..2035, 1995..2141, 1995..2330, 1996..2331, 2251..2337		

Seq. No.	46671	Seq. ID	OJ000217_17.0403.C88
Gene No.	99108	Strand	-
Start	2254	End	2589
Name	OJ000217_17.0403.C88.o4.gp	Method	AAT/GAP
Start	2254	End	2589
GI	none	Score	660
Exons	2254..2589		

Seq. No.	46672	Seq. ID	OJ000217_17.0403.C89
Gene No.	99109	Strand	+
Start	1	End	2116
Name	OJ000217_17.0403.C89.o1.np	Method	AAT/NAP
Start	1	End	2107
GI	2444271	Score	1346
Exons	1..133, 505..739, 860..1041, 1149..1438, 1540..1669, 1760..2107		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	46672	Seq. ID	OJ000217_17.0403.C89
Gene No.	99109	Strand	+
Start	1	End	2116
Name	OJ000217_17.0403.C89.o1.tc	Method	TBLASTX:Cress
Start	8	End	2101
GI	none	Score	200
Exons	8..133, 10..129, 23..130, 373..402, 502..732, 523..741, 853..1053, 858..1049, 1131..1439, 1151..1438, 1534..1668, 1538..1669, 1759..1980, 1760..1984, 1993..2091, 1994..2101		

Seq. No.	46672	Seq. ID	OJ000217_17.0403.C89
Gene No.	99109	Strand	+
Start	1	End	2116
Name	OJ000217_17.0403.C89.o1.ts	Method	TBLASTX:Soybean
Start	10	End	638
GI	none	Score	199
Exons	10..129, 11..133, 17..130, 19..135, 212..253, 519..638, 523..627		

Seq. No.	46672	Seq. ID	OJ000217_17.0403.C89
Gene No.	99109	Strand	+
Start	1	End	2116
Name	OJ000217_17.0403.C89.o1.gs	Method	GENSCAN
Start	23	End	2116
GI	none	Score	.86
Exons	23..129, 384..402, 520..739, 860..1041, 1149..1438, 1540..1669, 1760..2116		

Seq. No.	46672	Seq. ID	OJ000217_17.0403.C89
Gene No.	99109	Strand	+
Start	1	End	2116
Name	OJ000217_17.0403.C89.o2.tm	Method	TBLASTX:Maize
Start	517	End	888
GI	none	Score	242
Exons	517..732, 523..747, 859..888		

Seq. No.	46672	Seq. ID	OJ000217_17.0403.C89
Gene No.	99109	Strand	+
Start	1	End	2116
Name	OJ000217_17.0403.C89.o1.tm	Method	TBLASTX:Maize
Start	1346	End	2104
GI	none	Score	103
Exons	1346..1438, 1350..1439, 1534..1662, 1538..1666, 1538..1678, 1732..1989, 1760..1984, 1987..2103, 1991..2104, 1991..2104		

Seq. No.	46673	Seq. ID	OJ000217_17.0403.C90
Gene No.	99110	Strand	+
Start	532	End	2104
Name	OJ000217_17.0403.C90.o1.gs	Method	GENSCAN
Start	532	End	2094
GI	none	Score	.9
Exons	532..638, 758..1018, 1105..1123, 1233..1452, 1533..1714, 1807..2094		

Seq. No.	46673	Seq. ID	OJ000217_17.0403.C90
Gene No.	99110	Strand	+
Start	532	End	2104
Name	OJ000217_17.0403.C90.o1.np	Method	AAT/NAP
Start	543	End	2104
GI	2444271	Score	970
Exons	543..638, 758..1022, 1218..1452, 1533..1714, 1807..2104		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	46673	Seq. ID	OJ000217_17.0403.C90
Gene No.	99110	Strand	+
Start	532	End	2104
Name	OJ000217_17.0403.C90.o1.tc	Method	TBLASTX:Cress
Start	574	End	2052
GI	none	Score	69
Exons	574..639, 603..638, 758..847, 764..1018, 765..1022, 867..1019, 868..1023, 896..1024, 1200..1454, 1200..1445, 1531..1713, 1532..1714, 1809..2051, 1810..2052		

Seq. No.	46673	Seq. ID	OJ000217_17.0403.C90

Gene No.	99110	Strand	+
Start	532	End	2104
Name	OJ000217_17.0403.C90.o2.tm	Method	TBLASTX:Maize
Start	767	End	1030
GI	none	Score	242
Exons	767..1030, 774..1019, 889..1020		

Seq. No.	46673	Seq. ID	OJ000217_17.0403.C90
Gene No.	99110	Strand	+
Start	532	End	2104
Name	OJ000217_17.0403.C90.o1.ts	Method	TBLASTX:Soybean
Start	770	End	997
GI	none	Score	143
Exons	770..928, 813..932, 935..997, 936..992		

Seq. No.	46673	Seq. ID	OJ000217_17.0403.C90
Gene No.	99110	Strand	+
Start	532	End	2104
Name	OJ000217_17.0403.C90.o1.tm	Method	TBLASTX:Maize
Start	1229	End	1561
GI	none	Score	254
Exons	1229..1453, 1230..1454, 1532..1561		

Seq. No.	46674	Seq. ID	OJ000217_17.0403.C94
Gene No.	99111	Strand	+
Start	1	End	342
Name	OJ000217_17.0403.C94.o1.np	Method	AAT/NAP
Start	1	End	342
GI	6815099	Score	95
Exons	1..21, 168..342		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	46674	Seq. ID	OJ000217_17.0403.C94
Gene No.	99111	Strand	+
Start	1	End	342
Name	OJ000217_17.0403.C94.o1.gs	Method	GENSCAN
Start	114	End	301
GI	none	Score	.78
Exons	114..162, 231..301		

Seq. No.	46674	Seq. ID	OJ000217_17.0403.C94
Gene No.	99112	Strand	-
Start	393	End	464
Name	OJ000217_17.0403.C94.o2.gs	Method	GENSCAN
Start	393	End	464
GI	none	Score	.61
Exons	393..464		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99113	Strand	+
Start	1	End	588
Name	OJ000217_16.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	588
GI	6630696	Score	960
Exons	1..588		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol		

polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99114	Strand	+
Start	2257	End	9127
Name	OJ000217_16.0403.C2.o2.np	Method	AAT/NAP
Start	2257	End	6893
GI	7485231	Score	1395
Exons	2257..2291, 3615..4960, 6840..6893		
GI Descrip.	hypothetical protein A_IG002N01.30 - Arabidopsis thaliana (fragment) gi|2191151|gb|AAB61038.1| (AF007269) contains similarity to membrane associated salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99114	Strand	+
Start	2257	End	9127
Name	OJ000217_16.0403.C2.o2.gs	Method	GENSCAN
Start	3467	End	9127
GI	none	Score	.4
Exons	3467..4992, 6099..6221, 6368..6607, 7059..7255, 9012..9127		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99115	Strand	+
Start	9783	End	13326
Name	OJ000217_16.0403.C2.o3.np	Method	AAT/NAP
Start	9783	End	13326
GI	7486745	Score	176
Exons	9783..9818, 11462..11595, 11724..11893, 13301..13326		
GI Descrip.	hypothetical protein F9D16.280 - Arabidopsis thaliana gi|4454050|emb|CAA23047.1| (AL035394) putative protein [Arabidopsis thaliana] gi|7269230|emb|CAB81299.1| (AL161560) putative protein [Arabidopsis thaliana]		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99115	Strand	+
Start	9783	End	13326
Name	OJ000217_16.0403.C2.o3.gs	Method	GENSCAN
Start	10885	End	12180
GI	none	Score	.81
Exons	10885..10932, 10984..11423, 11470..11595, 11724..12180		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99116	Strand	+
Start	26607	End	27113
Name	OJ000217_16.0403.C2.o7.gs	Method	GENSCAN
Start	26607	End	27113
GI	none	Score	1
Exons	26607..27113		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99117	Strand	-
Start	4561	End	5186
Name	OJ000217_16.0403.C2.o1.gp	Method	AAT/GAP
Start	4561	End	5186
GI	4362_2.R1084	Score	1117
Exons	4561..5186		

GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99118	Strand	-
Start	13034	End	19682
Name	OJ000217_16.0403.C2.o4.gs	Method	GENSCAN
Start	13034	End	19682
GI	none	Score	.79
Exons	13034..13329, 13421..13688, 14025..15460, 15545..15685, 16041..16263, 16326..16365, 16909..16984, 17005..17202, 17788..18055, 18165..19682		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99118	Strand	-
Start	13034	End	19682
Name	OJ000217_16.0403.C2.o2.gp	Method	AAT/GAP
Start	15650	End	16195
GI	427088	Score	832
Exons	15650..16113, 16165..16195		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99119	Strand	-
Start	20188	End	22014
Name	OJ000217_16.0403.C2.o3.gp	Method	AAT/GAP
Start	20188	End	20549
GI	3768854	Score	659
Exons	20188..20549		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99119	Strand	-
Start	20188	End	22014
Name	OJ000217_16.0403.C2.o4.np	Method	AAT/NAP
Start	20395	End	22014
GI	7469613	Score	181
Exons	20395..20540, 21815..22014		
GI Descrip.	hypothetical protein - Synechocystis sp. (strain PCC 6803) gi|1001629|dbj|BAA10360.1| (D64002) hypothetical protein [Synechocystis sp.]		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99120	Strand	-
Start	25367	End	25678
Name	OJ000217_16.0403.C2.o6.gs	Method	GENSCAN
Start	25367	End	25678
GI	none	Score	.9
Exons	25367..25678		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	452
GI	none	Score	77
Exons	1..54, 3..53, 54..167, 69..173, 70..168, 154..198, 167..199, 176..376, 201..452, 202..450		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o6.tm	Method	TBLASTX:Maize
Start	462	End	769
GI	none	Score	80
Exons	462..551, 462..551, 463..552, 597..701, 601..702, 601..717,	463..552, 464..553, 591..701, 740..769	

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o2.tw	Method	TBLASTX:Wheat
Start	728	End	1083
GI	none	Score	41
Exons	728..769, 728..760, 767..868, 881..943, 954..1082, 957..1010,	774..881, 799..897, 880..942, 1054..1083	

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o2.tm	Method	TBLASTX:Maize
Start	3800	End	4069
GI	none	Score	353
Exons	3800..4069, 3818..3898, 3948..4037, 3955..4068		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o1.ts	Method	TBLASTX:Soybean
Start	4301	End	4704
GI	none	Score	473
Exons	4301..4663, 4301..4651, 4306..4704		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	4354	End	5034
GI	none	Score	105
Exons	4354..4533, 4355..4759, 4358..4717, 4573..4722, 4730..4882, 4759..4845, 4772..4852, 4901..5008, 4901..4996, 4903..5028, 4906..5034		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o1.tc	Method	TBLASTX:Cress
Start	4373	End	4690
GI	none	Score	416
Exons	4373..4690, 4373..4657, 4459..4689		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o4.tm	Method	TBLASTX:Maize
Start	11489	End	11817

GI	none	Score	120
Exons	11489..11611, 11530..11601, 11534..11602, 11719..11817, 11722..11817		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o2.tc	Method	TBLASTX:Cress
Start	20395	End	21996
GI	none	Score	82
Exons	20395..20535, 20413..20541, 20414..20542, 20634..20666, 21814..21996, 21816..21995		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o3.tm	Method	TBLASTX:Maize
Start	20463	End	22008
GI	none	Score	113
Exons	20463..20540, 20464..20541, 20465..20542, 20611..20649, 20634..20666, 21814..22008, 21816..21998		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o8.gs	Method	GENSCAN
Start	29242	End	29838
GI	none	Score	.45
Exons	29242..29619, 29698..29838		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o5.np	Method	AAT/NAP
Start	29245	End	29870
GI	5803254	Score	348
Exons	29245..29619, 29698..29870		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	46675	Seq. ID	OJ000217_16.0403.C2
Gene No.	99121	Strand	-
Start	29242	End	29870
Name	OJ000217_16.0403.C2.o5.tm	Method	TBLASTX:Maize
Start	29253	End	29568
GI	none	Score	90
Exons	29253..29357, 29255..29359, 29256..29324, 29257..29367, 29258..29368, 29419..29568, 29420..29566, 29431..29568		

Seq. No.	46676	Seq. ID	OJ000217_16.0403.C3
Gene No.	99122	Strand	-
Start	707	End	817
Name	OJ000217_16.0403.C3.o1.gp	Method	AAT/GAP
Start	707	End	817
GI	uC-osflcyp174e11b1	Score	182
Exons	707..817		

GI Descrip. '5803242/dbj|AP000399.1|AP000399 2.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99123	Strand	+
Start	6698	End	13124
Name	OJ000217_16.0403.C5.o4.gs	Method	GENSCAN
Start	6698	End	13124
GI	none	Score	.59
Exons	6698..6950, 7147..7392, 7648..7976, 7978..8320, 8429..8511, 8674..9099, 9154..9644, 9762..10804, 11027..11160, 11196..12144, 12283..12399, 12518..12603, 12687..13124		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99123	Strand	+
Start	6698	End	13124
Name	OJ000217_16.0403.C5.o1.np	Method	AAT/NAP
Start	8843	End	13121
GI	7489805	Score	2714
Exons	8843..8886, 9357..13121		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99124	Strand	-
Start	529	End	1342
Name	OJ000217_16.0403.C5.o1.gs	Method	GENSCAN
Start	529	End	1342
GI	none	Score	.69
Exons	529..690, 1013..1073, 1141..1342		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99125	Strand	-
Start	3033	End	3854
Name	OJ000217_16.0403.C5.o2.gs	Method	GENSCAN
Start	3033	End	3854
GI	none	Score	.83
Exons	3033..3854		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o3.tm	Method	TBLASTX:Maize
Start	3378	End	3578
GI	none	Score	195
Exons	3378..3578, 3379..3570		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	3387	End	3575
GI	none	Score	158
Exons	3387..3575, 3394..3570		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-

Start	13378	End	16700
Name	OJ000217_16.0403.C5.o2.ts	Method	TBLASTX:Soybean
Start	3393	End	3575
GI	none	Score	190
Exons	3393..3575, 3394..3570		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o6.tw	Method	TBLASTX:Wheat
Start	3393	End	3563
GI	none	Score	114
Exons	3393..3563, 3394..3561		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o5.tw	Method	TBLASTX:Wheat
Start	8422	End	8766
GI	none	Score	183
Exons	8422..8766		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o4.tw	Method	TBLASTX:Wheat
Start	9559	End	9918
GI	none	Score	92
Exons	9559..9690, 9696..9917, 9697..9918		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o1.tw	Method	TBLASTX:Wheat
Start	10147	End	10578
GI	none	Score	449
Exons	10147..10578, 10149..10577		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	10251	End	10608
GI	none	Score	404
Exons	10251..10607, 10252..10608		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o2.tm	Method	TBLASTX:Maize
Start	10615	End	10899
GI	none	Score	282
Exons	10615..10899, 10626..10886		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700

Name	OJ000217_16.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	10618	End	11082
GI	none	Score	283
Exons	10618..11082, 10668..10826		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o2.tw	Method	TBLASTX:Wheat
Start	10626	End	10992
GI	none	Score	97
Exons	10626..10973, 10626..10991, 10627..10992		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o3.ts	Method	TBLASTX:Soybean
Start	11265	End	11624
GI	none	Score	70
Exons	11265..11363, 11276..11623, 11403..11624		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o3.tw	Method	TBLASTX:Wheat
Start	11268	End	11699
GI	none	Score	324
Exons	11268..11699, 11333..11692		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o4.tm	Method	TBLASTX:Maize
Start	11901	End	12312
GI	none	Score	104
Exons	11901..12044, 12028..12312, 12039..12170		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o5.tm	Method	TBLASTX:Maize
Start	12314	End	12529
GI	none	Score	65
Exons	12314..12478, 12314..12529, 12315..12521		

Seq. No.	46677	Seq. ID	OJ000217_16.0403.C5
Gene No.	99126	Strand	-
Start	13378	End	16700
Name	OJ000217_16.0403.C5.o5.gs	Method	GENSCAN
Start	13378	End	16700
GI	none	Score	.59
Exons	13378..13490, 14080..14437, 14531..14865, 15013..15302, 15342..15516, 15605..15735, 15758..15847, 15946..16121, 16323..16507, 16641..16700		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99127	Strand	+

Start	20	End	202
Name	OJ000217_16.0403.C6.o1.gs	Method	GENSCAN
Start	20	End	202
GI	none	Score	.62
Exons	20..202		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99128	Strand	+
Start	6402	End	8171
Name	OJ000217_16.0403.C6.o1.gp	Method	AAT/GAP
Start	5939	End	6089
GI	3683_1.R1084	Score	170
Exons	5939..6089		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99128	Strand	+
Start	6402	End	8171
Name	OJ000217_16.0403.C6.o4.gs	Method	GENSCAN
Start	6402	End	8171
GI	none	Score	.75
Exons	6402..6472, 6635..6723, 7765..7802, 8076..8171		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99129	Strand	-
Start	2200	End	2538
Name	OJ000217_16.0403.C6.o2.gs	Method	GENSCAN
Start	2200	End	2538
GI	none	Score	.96
Exons	2200..2538		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99130	Strand	-
Start	3674	End	4265
Name	OJ000217_16.0403.C6.o3.gs	Method	GENSCAN
Start	3674	End	4265
GI	none	Score	.91
Exons	3674..3939, 3960..4018, 4258..4265		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o5.gs	Method	GENSCAN
Start	10278	End	12290
GI	none	Score	.97
Exons	10278..10636, 10680..10785, 11562..12290		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o1.np	Method	AAT/NAP
Start	10290	End	13288
GI	4336434	Score	684
Exons	10290..10588, 10680..10785, 11562..11699, 11739..11933, 11979..12157, 12188..12285, 13190..13288		
GI Descrip.	(AF092431) nodule-enhanced protein phosphatase type 2C [Lotus		

japonicus]

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	10305	End	12056
GI	none	Score	93
Exons	10305..10346, 10408..10590, 10422..10601, 10652..10786, 10660..10830, 11562..11630, 11569..11685, 11748..11795, 11838..11930, 11988..12056		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	10305	End	10812
GI	none	Score	70
Exons	10305..10601, 10432..10590, 10660..10788, 10661..10786, 10681..10812		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	10431	End	11631
GI	none	Score	135
Exons	10431..10586, 10440..10601, 10447..10602, 10651..10809, 10679..10786, 11562..11630, 11563..11631		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	10431	End	10809
GI	none	Score	98
Exons	10431..10511, 10440..10601, 10459..10602, 10660..10809, 10661..10786, 10672..10788		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	11562	End	12059
GI	none	Score	96
Exons	11562..11630, 11563..11685, 11721..11825, 11841..11930, 11866..11910, 11988..12059, 11989..12057		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	11562	End	12056
GI	none	Score	81
Exons	11562..11630, 11569..11685, 11748..11804, 11832..11930, 11991..12056		

Seq. No.	46678	Seq. ID	OJ000217_16.0403.C6
Gene No.	99131	Strand	-
Start	10278	End	13308
Name	OJ000217_16.0403.C6.o6.gs	Method	GENSCAN
Start	12669	End	13308
GI	none	Score	.88
Exons	12669..12719, 12871..13308		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99132	Strand	+
Start	9737	End	10047
Name	OJ000217_16.0403.C8.o2.gp	Method	AAT/GAP
Start	9737	End	10047
GI	3762674	Score	542
Exons	9737..10047		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99133	Strand	+
Start	12146	End	13743
Name	OJ000217_16.0403.C8.o3.gs	Method	GENSCAN
Start	12146	End	13743
GI	none	Score	.62
Exons	12146..12395, 12635..13069, 13661..13743		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99134	Strand	+
Start	14530	End	14661
Name	OJ000217_16.0403.C8.o3.gp	Method	AAT/GAP
Start	14530	End	14661
GI	5007085	Score	284
Exons	14530..14661		
GI Descrip.	5007086/gb|AAD37810.1|AF155334_1 0.0e+00 (AF155334) NADP-specific isocitrate dehydrogenase [Oryza sativa]		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99135	Strand	-
Start	1509	End	5586
Name	OJ000217_16.0403.C8.o1.gs	Method	GENSCAN
Start	1509	End	3572
GI	none	Score	.98
Exons	1509..3572		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99135	Strand	-
Start	1509	End	5586
Name	OJ000217_16.0403.C8.o1.np	Method	AAT/NAP
Start	1512	End	5586
GI	7485695	Score	1092
Exons	1512..3500, 5564..5586		
GI Descrip.	hypothetical protein F18A5.40 - Arabidopsis thaliana gi|4455294|emb|CAB36829.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268069|emb|CAB78407.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99135	Strand	-
Start	1509	End	5586

Name	OJ000217_16.0403.C8.o2.np	Method	AAT/NAP
Start	1512	End	3416
GI	7340873	Score	997
Exons	1512..3416		
GI Descrip.	(AP001551) Similar to Arabidopsis thaliana chromosome 4 BAC clone F28A21 ; putative protein. (AL035526) [Oryza sativa]		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99136	Strand	-
Start	7068	End	9739
Name	OJ000217_16.0403.C8.o1.gp	Method	AAT/GAP
Start	6524	End	6608
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	6524..6608		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99136	Strand	-
Start	7068	End	9739
Name	OJ000217_16.0403.C8.o2.gs	Method	GENSCAN
Start	7068	End	9739
GI	none	Score	.83
Exons	7068..7496, 8083..8210, 8828..9173, 9671..9739		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	1495	End	1790
GI	none	Score	90
Exons	1495..1719, 1509..1790		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	1497	End	1727
GI	none	Score	86
Exons	1497..1727, 1510..1716		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	1509	End	2036
GI	none	Score	240
Exons	1509..2036, 1510..2031		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	1731	End	2270
GI	none	Score	64
Exons	1731..2270, 2158..2253		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	1792	End	3416
GI	none	Score	88
Exons	1792..2019, 1800..2642, 1890..2093, 2152..2310, 2334..2744, 2342..2497, 2352..2525, 2361..2657, 2398..2643, 2562..2942, 2619..2936, 2643..3050, 2847..3266, 2907..3209, 3264..3413, 3285..3416, 3297..3416		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o2.tc	Method	TBLASTX:Cress
Start	2142	End	3429
GI	none	Score	65
Exons	2142..2225, 2229..2333, 2352..2507, 2352..2510, 2538..2771, 2623..2763, 2640..2960, 2646..3089, 2958..3263, 2958..3239, 3264..3407, 3285..3413, 3325..3429		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	2178	End	3407
GI	none	Score	94
Exons	2178..2243, 2203..2490, 2208..2510, 2268..2381, 2376..2507, 2571..2930, 2571..2678, 2634..2735, 2713..2931, 2958..3239, 3264..3407		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o3.ts	Method	TBLASTX:Soybean
Start	2274	End	3239
GI	none	Score	119
Exons	2274..2651, 2580..2927, 2610..2831, 2713..2838, 2910..3239		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o3.tm	Method	TBLASTX:Maize
Start	6962	End	9184
GI	none	Score	43
Exons	6962..7042, 7023..7043, 7063..7149, 7066..7158, 7068..7190, 7068..7160, 7073..7174, 7158..7229, 7206..7385, 7216..7383, 7390..7470, 7392..7478, 7392..7478, 7479..7499, 8082..8207, 8083..8211, 8084..8212, 8085..8231, 8096..8239, 8829..8966, 8829..9017, 8830..9018, 9009..9050, 9066..9152, 9067..9153, 9074..9184		

Seq. No.	46679	Seq. ID	OJ000217_16.0403.C8
Gene No.	99137	Strand	-
Start	14488	End	14601
Name	OJ000217_16.0403.C8.o4.gs	Method	GENSCAN

Start	14488	End	14601
GI	none	Score	.64
Exons	14488..14601		

Seq. No.	46680	Seq. ID	OJ000217_16.0403.C9
Gene No.	99138	Strand	+
Start	1	End	1354
Name	OJ000217_16.0403.C9.o1.np	Method	AAT/NAP
Start	1	End	1354
GI	5007086	Score	779
Exons	1..91, 174..275, 663..748, 838..941, 1053..1121, 1200..1354		
GI Descrip.	(AF155334) NADP-specific isocitrate dehydrogenase [Oryza sativa]		

Seq. No.	46680	Seq. ID	OJ000217_16.0403.C9
Gene No.	99138	Strand	+
Start	1	End	1354
Name	OJ000217_16.0403.C9.o1.tc	Method	TBLASTX:Cress
Start	34	End	1320
GI	none	Score	100
Exons	34..93, 36..101, 144..251, 151..264, 171..251, 173..274, 654..710, 662..748, 691..759, 828..941, 838..945, 1049..1123, 1050..1124, 1050..1124, 1051..1125, 1195..1317, 1199..1315, 1200..1319, 1201..1320		

Seq. No.	46680	Seq. ID	OJ000217_16.0403.C9
Gene No.	99138	Strand	+
Start	1	End	1354
Name	OJ000217_16.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	34	End	1324
GI	none	Score	102
Exons	34..93, 36..101, 172..270, 173..274, 660..743, 662..748, 672..743, 691..747, 806..937, 828..941, 837..944, 838..945, 1050..1124, 1050..1124, 1051..1125, 1198..1317, 1199..1324, 1201..1320		

Seq. No.	46680	Seq. ID	OJ000217_16.0403.C9
Gene No.	99138	Strand	+
Start	1	End	1354
Name	OJ000217_16.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	34	End	1320
GI	none	Score	103
Exons	34..93, 36..92, 151..270, 173..274, 662..748, 662..775, 663..764, 836..943, 837..944, 838..945, 1040..1123, 1049..1123, 1050..1124, 1051..1125, 1199..1318, 1201..1320		

Seq. No.	46680	Seq. ID	OJ000217_16.0403.C9
Gene No.	99138	Strand	+
Start	1	End	1354
Name	OJ000217_16.0403.C9.o1.gp	Method	AAT/GAP
Start	37	End	1354
GI	5007085	Score	934
Exons	37..91, 174..275, 663..748, 838..941, 1053..1121, 1200..1354		
GI Descrip.	5007086/gb|AAD37810.1|AF155334_1 0.0e+00 (AF155334) NADP-specific isocitrate dehydrogenase [Oryza sativa]		

Seq. No.	46680	Seq. ID	OJ000217_16.0403.C9
Gene No.	99138	Strand	+

Start	1	End	1354
Name	OJ000217_16.0403.C9.o1.gs	Method	GENSCAN
Start	174	End	1315
GI	none	Score	.93
Exons	174..275, 663..748, 838..941, 1053..1121, 1200..1315		

Seq. No.	46680	Seq. ID	OJ000217_16.0403.C9
Gene No.	99138	Strand	+
Start	1	End	1354
Name	OJ000217_16.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	852	End	1320
GI	none	Score	103
Exons	852..944, 852..941, 853..945, 1040..1123, 1049..1123, 1050..1124, 1051..1125, 1199..1276, 1201..1278, 1240..1320, 1272..1316, 1280..1318		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99139	Strand	+
Start	1	End	957
Name	OJ000217_16.0403.C11.o1.np	Method	AAT/NAP
Start	1	End	957
GI	7486298	Score	189
Exons	1..21, 535..672, 820..957		
GI Descrip.	hypothetical protein F28J12.220 - Arabidopsis thaliana gi|2832661|emb|CAA16736.1| (AL021710) pherophorin - like protein [Arabidopsis thaliana] gi|7268650|emb|CAB78858.1| (AL161549) pherophorin-like protein [Arabidopsis thaliana]		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99139	Strand	+
Start	1	End	957
Name	OJ000217_16.0403.C11.o1.gs	Method	GENSCAN
Start	565	End	951
GI	none	Score	.77
Exons	565..672, 820..951		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99140	Strand	+
Start	4258	End	4535
Name	OJ000217_16.0403.C11.o3.np	Method	AAT/NAP
Start	4258	End	4535
GI	2129478	Score	60
Exons	4258..4535		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99141	Strand	-
Start	1287	End	6886
Name	OJ000217_16.0403.C11.o2.gs	Method	GENSCAN
Start	1287	End	6886
GI	none	Score	.95
Exons	1287..2154, 4238..4554, 5164..5291, 6823..6886		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99141	Strand	-

Start	1287	End	6886
Name	OJ000217_16.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	1292	End	1613
GI	none	Score	147
Exons	1292..1435, 1299..1436, 1299..1496, 1300..1497, 1519..1590, 1525..1563, 1533..1598, 1533..1598, 1563..1613		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99141	Strand	-
Start	1287	End	6886
Name	OJ000217_16.0403.C11.o2.np	Method	AAT/NAP
Start	1305	End	2141
GI	4314385	Score	520
Exons	1305..2141		
GI Descrip.	(AC006232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99141	Strand	-
Start	1287	End	6886
Name	OJ000217_16.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	1372	End	1967
GI	none	Score	39
Exons	1372..1452, 1506..1967, 1537..1719, 1638..1742		

Seq. No.	46681	Seq. ID	OJ000217_16.0403.C11
Gene No.	99141	Strand	-
Start	1287	End	6886
Name	OJ000217_16.0403.C11.o1.gp	Method	AAT/GAP
Start	1520	End	2019
GI	LIB3433-027-P1-K1-F12	Score	878
Exons	1520..2019		
GI Descrip.	'4314385/gb|AAD15595| 7.0e-26 (AC006232) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46682	Seq. ID	OJ000217_16.0403.C12
Gene No.	99142	Strand	+
Start	1	End	1239
Name	OJ000217_16.0403.C12.o1.gp	Method	AAT/GAP
Start	1	End	1177
GI	29299_1.R1084	Score	878
Exons	1..248, 351..443, 715..780, 1114..1177		
GI Descrip.	'480450/pir||S36884 2.0e-42 ketol-acid reductoisomerase (EC 1.1.1.86) - Arabidopsis thaliana >gi_402552_emb_CAA49506_ (X69880) ketol-acid reductoisomerase [Arabidopsis thaliana]'		

Seq. No.	46682	Seq. ID	OJ000217_16.0403.C12
Gene No.	99142	Strand	+
Start	1	End	1239
Name	OJ000217_16.0403.C12.o1.np	Method	AAT/NAP
Start	1	End	1239
GI	480450	Score	433
Exons	1..248, 351..443, 715..780, 1114..1239		
GI Descrip.	ketol-acid reductoisomerase (EC 1.1.1.86) - Arabidopsis thaliana gi|402552|emb|CAA49506.1| (X69880) ketol-acid reductoisomerase [Arabidopsis thaliana] gi|6735378|emb|CAB68199.1| (AL137082) ketol-acid reductoisomerase [Arabidopsis thaliana]		

Seq. No.	46682	Seq. ID	OJ000217_16.0403.C12
Gene No.	99142	Strand	+
Start	1	End	1239
Name	OJ000217_16.0403.C12.o1.gs	Method	GENSCAN
Start	60	End	1224
GI	none	Score	.8
Exons	60..248, 351..443, 715..780, 1114..1224		

Seq. No.	46682	Seq. ID	OJ000217_16.0403.C12
Gene No.	99142	Strand	+
Start	1	End	1239
Name	OJ000217_16.0403.C12.o1.tc	Method	TBLASTX:Cress
Start	185	End	1239
GI	none	Score	90
Exons	185..247, 186..248, 348..443, 348..446, 350..463, 702..776, 711..779, 712..783, 1096..1239, 1102..1236, 1113..1238		

Seq. No.	46682	Seq. ID	OJ000217_16.0403.C12
Gene No.	99142	Strand	+
Start	1	End	1239
Name	OJ000217_16.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	185	End	1239
GI	none	Score	103
Exons	185..247, 186..248, 348..443, 348..443, 350..448, 350..463, 702..776, 712..783, 714..776, 1096..1239, 1113..1238		

Seq. No.	46682	Seq. ID	OJ000217_16.0403.C12
Gene No.	99142	Strand	+
Start	1	End	1239
Name	OJ000217_16.0403.C12.o1.ts	Method	TBLASTX:Soybean
Start	185	End	1239
GI	none	Score	89
Exons	185..247, 186..248, 348..443, 350..439, 712..783, 714..782, 1096..1239, 1102..1236, 1116..1238		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99143	Strand	+
Start	1	End	3298
Name	OJ000217_16.0403.C13.o1.np	Method	AAT/NAP
Start	1	End	1945
GI	6225542	Score	1794
Exons	1..78, 319..546, 632..749, 816..955, 1026..1193, 1308..1463, 1580..1945		
GI Descrip.	KETOL-ACID REDUCTOISOMERASE PRECURSOR (ACETOHYDROXY-ACID REDUCTOISOMERASE) (ALPHA-KETO-BETA-HYDROXYLACIL REDUCTOISOMERASE) gi|7431346|pir||T06825 ketol-acid reductoisomerase (EC 1.1.1.86) - garden pea gi|3452497|emb|CAA76854.1| (Y17796) ketol-acid reductoisomerase [Pisum sativum]		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99143	Strand	+
Start	1	End	3298
Name	OJ000217_16.0403.C13.o1.gs	Method	GENSCAN
Start	319	End	3298
GI	none	Score	.64
Exons	319..546, 632..749, 831..955, 1026..1193, 1308..1463,		

1580..1941, 2821..3298

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99143	Strand	+
Start	1	End	3298
Name	OJ000217_16.0403.C13.o1.gp	Method	AAT/GAP
Start	426	End	1429
GI	10400_1:R1084	Score	1244
Exons	426..546, 632..749, 816..955, 1026..1193, 1308..1429		
GI Descrip.	'3452497/emb|CAA76854| 5.0e-80 (Y17796) ketol-acid reductoisomerase [Pisum sativum]'		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99144	Strand	+
Start	10261	End	10402
Name	OJ000217_16.0403.C13.o4.gp	Method	AAT/GAP
Start	10261	End	10402
GI	21474_1.R1084	Score	227
Exons	10261..10402		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99145	Strand	-
Start	1580	End	2148
Name	OJ000217_16.0403.C13.o2.gp	Method	AAT/GAP
Start	1580	End	2148
GI	34494_1.R1084	Score	1064
Exons	1580..2148		
GI Descrip.	'3452497/emb|CAA76854| 2.0e-48 (Y17796) ketol-acid reductoisomerase [Pisum sativum]'		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	1	End	1938
GI	none	Score	123
Exons	1..78, 3..74, 304..546, 316..546, 318..548, 327..548, 629..751, 631..750, 814..948, 815..916, 856..957, 1022..1183, 1023..1193, 1023..1196, 1085..1198, 1305..1466, 1308..1466, 1309..1467, 1578..1901, 1579..1938, 1580..1936		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	1953
GI	none	Score	118
Exons	1..78, 3..80, 3..74, 304..546, 316..546, 318..548, 333..548, 629..751, 631..750, 814..954, 815..916, 862..957, 999..1193, 1002..1193, 1019..1195, 1305..1466, 1308..1466, 1309..1467, 1579..1953, 1580..1936		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036

Name	OJ000217_16.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1933
GI	none	Score	119
Exons	1..78, 3..77, 304..546, 316..546, 318..548, 629..751, 631..750, 813..896, 814..948, 815..916, 999..1193, 1025..1183, 1307..1429, 1308..1466, 1309..1467, 1324..1458, 1576..1932, 1578..1898, 1580..1933		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o2.tw	Method	TBLASTX:Wheat
Start	673	End	1130
GI	none	Score	133
Exons	673..750, 674..751, 814..954, 815..916, 831..986, 856..957, 999..1130, 1019..1108, 1024..1122		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o1.tw	Method	TBLASTX:Wheat
Start	1649	End	1941
GI	none	Score	485
Exons	1649..1936, 1651..1941		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o2.tc	Method	TBLASTX:Cress
Start	3014	End	3283
GI	none	Score	231
Exons	3014..3283, 3082..3282		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o2.tm	Method	TBLASTX:Maize
Start	3014	End	3283
GI	none	Score	192
Exons	3014..3202, 3022..3225, 3200..3283		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o3.ts	Method	TBLASTX:Soybean
Start	3014	End	3283
GI	none	Score	176
Exons	3014..3220, 3022..3219, 3221..3283		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o2.gs	Method	GENSCAN
Start	4048	End	10036
GI	none	Score	.59
Exons	4048..4194, 4735..4928, 5373..5475, 7186..7263, 8229..8358, 8395..8767, 9138..9230, 9284..9369, 9969..10036		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o2.np	Method	AAT/NAP
Start	8229	End	8735
GI	115840	Score	378
Exons	8229..8358, 8515..8735		
GI Descrip.	CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT A (CBF-A) (NF-Y PROTEIN CHAIN B) (NF-YB) (CAAT-BOX DNA BINDING PROTEIN SUBUNIT B)		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o3.tw	Method	TBLASTX:Wheat
Start	8229	End	8657
GI	none	Score	114
Exons	8229..8357, 8245..8361, 8268..8381, 8278..8406, 8511..8657, 8515..8646, 8582..8653		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o3.tm	Method	TBLASTX:Maize
Start	8229	End	8657
GI	none	Score	81
Exons	8229..8357, 8264..8350, 8265..8399, 8278..8400, 8511..8657, 8515..8643, 8582..8653, 8595..8654		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o2.ts	Method	TBLASTX:Soybean
Start	8229	End	8657
GI	none	Score	65
Exons	8229..8357, 8281..8358, 8511..8657, 8515..8640		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o4.tc	Method	TBLASTX:Cress
Start	8229	End	8358
GI	none	Score	64
Exons	8229..8357, 8278..8358		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036
Name	OJ000217_16.0403.C13.o3.tc	Method	TBLASTX:Cress
Start	8511	End	8657
GI	none	Score	129
Exons	8511..8657, 8515..8643		

Seq. No.	46683	Seq. ID	OJ000217_16.0403.C13
Gene No.	99146	Strand	-
Start	4048	End	10036

Name	OJ000217_16.0403.C13.o3.gp	Method	AAT/GAP
Start	8548	End	8955
GI	3107463	Score	541
Exons	8548..8719, 8797..8955		

Seq. No.	46684	Seq. ID	OJ000217_16.0403.C14
Gene No.	99147	Strand	+
Start	331	End	2732
Name	OJ000217_16.0403.C14.o1.gs	Method	GENSCAN
Start	331	End	2732
GI	none	Score	.69
Exons	331..391, 1485..1685, 2424..2732		

Seq. No.	46684	Seq. ID	OJ000217_16.0403.C14
Gene No.	99148	Strand	+
Start	12776	End	14526
Name	OJ000217_16.0403.C14.o1.gp	Method	AAT/GAP
Start	12776	End	14093
GI	uC-osroM202008a06b1	Score	638
Exons	12776..13062, 14026..14093		
GI Descrip.	'4926827/gb|AAD32937.1|AC004135_12 3.0e-17 (AC004135) T17H7.12 [Arabidopsis thaliana]'		

Seq. No.	46684	Seq. ID	OJ000217_16.0403.C14
Gene No.	99148	Strand	+
Start	12776	End	14526
Name	OJ000217_16.0403.C14.o3.np	Method	AAT/NAP
Start	12945	End	14526
GI	4926827	Score	388
Exons	12945..13062, 14026..14105, 14424..14526		
GI Descrip.	(AC004135) T17H7.12 [Arabidopsis thaliana]		

Seq. No.	46684	Seq. ID	OJ000217_16.0403.C14
Gene No.	99149	Strand	-
Start	2300	End	3336
Name	OJ000217_16.0403.C14.o1.np	Method	AAT/NAP
Start	2300	End	3336
GI	6539570	Score	144
Exons	2300..2370, 2538..2698, 3296..3336		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46684	Seq. ID	OJ000217_16.0403.C14
Gene No.	99149	Strand	-
Start	2300	End	3336
Name	OJ000217_16.0403.C14.o2.np	Method	AAT/NAP
Start	2868	End	2959
GI	6630699	Score	82
Exons	2868..2959		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46684	Seq. ID	OJ000217_16.0403.C14
Gene No.	99150	Strand	-
Start	7744	End	14126
Name	OJ000217_16.0403.C14.o4.gs	Method	GENSCAN
Start	7744	End	14126

GI	none	Score	.44
Exons	7744..8137, 10329..10451, 10890..11063, 12766..12873, 13452..13689, 13988..14126		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99151	Strand	+
Start	1	End	5492
Name	OJ000217_16.0403.C16.o1.np	Method	AAT/NAP
Start	1	End	426
GI	5360230	Score	189
Exons	1..76, 184..261, 360..426		
GI Descrip.	(AB015287) Ran [Oryza sativa]		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99151	Strand	+
Start	1	End	5492
Name	OJ000217_16.0403.C16.o1.gp	Method	AAT/GAP
Start	184	End	690
GI	58_1.R1084	Score	739
Exons	184..261, 360..690		
GI Descrip.	'5360230/dbj|BAA81911.1| 1.0e-115 (AB015287) Ran [Oryza sativa]'		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99151	Strand	+
Start	1	End	5492
Name	OJ000217_16.0403.C16.o1.gs	Method	GENSCAN
Start	184	End	5268
GI	none	Score	.66
Exons	184..261, 908..1020, 1304..1499, 1748..2009, 2098..2271, 2830..2998, 3121..3182, 3526..3650, 4523..4640, 5128..5268		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99151	Strand	+
Start	1	End	5492
Name	OJ000217_16.0403.C16.o2.gp	Method	AAT/GAP
Start	1732	End	2229
GI	4878126	Score	561
Exons	1732..1806, 1906..2009, 2098..2229		
GI Descrip.	1170898/sp|P46487|MDHM_EUCGU 3.0e-28 MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR >gi_629659_pir__S44167 malate dehydrogenase, mitochondrial - cider tree >gi_473206_emb_CAA55383_ (X78800) mitochondrial malate dehydrogenase [Eucalyptus gunnii]		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99151	Strand	+
Start	1	End	5492
Name	OJ000217_16.0403.C16.o2.np	Method	AAT/NAP
Start	1751	End	5265
GI	126896	Score	1215
Exons	1751..2009, 2098..2271, 2830..2998, 3121..3182, 3526..3650, 4523..4640, 5128..5265		
GI Descrip.	MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR gi|319831|pir||DEPUMW malate dehydrogenase (EC 1.1.1.37) precursor, mitochondrial - watermelon gi|18297|emb|CAA35239.1| (X17362) precursor protein (AA -27 to 320) [Citrullus lanatus]		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99151	Strand	+
Start	1	End	5492
Name	OJ000217_16.0403.C16.o3.gp	Method	AAT/GAP
Start	2786	End	5492
GI	4009_1.R1084	Score	1594
Exons	2786..2998, 3121..3182, 3526..3650, 4523..4640, 5128..5492		
GI Descrip.	'5929964/gb|AAD56659.1| 1.0e-78 (AF180335) malate dehydrogenase [Glycine max]'		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99152	Strand	-
Start	5916	End	6220
Name	OJ000217_16.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	1776	End	5440
GI	none	Score	261
Exons	1776..1895, 1851..2015, 1880..2011, 2083..2271, 2098..2271, 2157..2273, 2380..2397, 2829..2996, 2831..3031, 2832..2996, 2836..2997, 3115..3183, 3119..3205, 3120..3188, 3475..3648, 3524..3649, 3525..3653, 3526..3651, 4522..4599, 4523..4642, 4524..4643, 5125..5292, 5126..5296, 5318..5398, 5348..5440		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99152	Strand	-
Start	5916	End	6220
Name	OJ000217_16.0403.C16.o1.tc	Method	TBLASTX:Cress
Start	1851	End	5259
GI	none	Score	230
Exons	1851..2000, 1880..2011, 2095..2271, 2154..2285, 2829..2993, 2836..2994, 3117..3188, 3117..3182, 3547..3651, 3549..3650, 4524..4643, 4526..4642, 5125..5259		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99152	Strand	-
Start	5916	End	6220
Name	OJ000217_16.0403.C16.o1.ts	Method	TBLASTX:Soybean
Start	1851	End	4639
GI	none	Score	235
Exons	1851..2000, 1880..2011, 2095..2271, 2151..2267, 2829..2999, 2834..3001, 2835..2999, 2836..3009, 3116..3178, 3117..3188, 3527..3649, 3547..3651, 3555..3650, 3561..3653, 4524..4634, 4524..4604, 4526..4639		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99152	Strand	-
Start	5916	End	6220
Name	OJ000217_16.0403.C16.o1.tw	Method	TBLASTX:Wheat
Start	1857	End	2241
GI	none	Score	192
Exons	1857..2015, 1880..2014, 2098..2241, 2154..2231		

Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99152	Strand	-
Start	5916	End	6220
Name	OJ000217_16.0403.C16.o2.tw	Method	TBLASTX:Wheat
Start	3615	End	5268
GI	none	Score	66

Exons	3615..3653, 3615..3653, 4523..4642, 4523..4642, 4524..4643, 4524..4643, 5069..5242, 5125..5268, 5226..5267		
Seq. No.	46685	Seq. ID	OJ000217_16.0403.C16
Gene No.	99152	Strand	-
Start	5916	End	6220
Name	OJ000217_16.0403.C16.o2.gs	Method	GENSCAN
Start	5916	End	6220
GI	none	Score	.51
Exons	5916..6064, 6196..6220		
Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99153	Strand	+
Start	3941	End	4624
Name	OJ000217_16.0403.C17.o1.gp	Method	AAT/GAP
Start	3941	End	4624
GI	705_5.R1084	Score	1336
Exons	3941..4624		
GI Descrip.	'1362184/pir||S56685 7.0e-38 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		
Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99154	Strand	+
Start	13431	End	17462
Name	OJ000217_16.0403.C17.o4.gs	Method	GENSCAN
Start	13431	End	14072
GI	none	Score	.66
Exons	13431..14072		
Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99154	Strand	+
Start	13431	End	17462
Name	OJ000217_16.0403.C17.o2.gp	Method	AAT/GAP
Start	13774	End	17228
GI	21929_1.R1084	Score	1238
Exons	13774..14045, 16854..17228		
GI Descrip.	'2832660/emb|CAA16735| 6.0e-55 (AL021710) lipase-like protein [Arabidopsis thaliana]'		
Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99154	Strand	+
Start	13431	End	17462
Name	OJ000217_16.0403.C17.o5.gs	Method	GENSCAN
Start	16755	End	17462
GI	none	Score	.78
Exons	16755..17462		
Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99155	Strand	+
Start	22836	End	23707
Name	OJ000217_16.0403.C17.o7.gs	Method	GENSCAN
Start	22836	End	23707
GI	none	Score	.66
Exons	22836..23485, 23503..23707		
Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17

Gene No.	99156	Strand	-
Start	1527	End	2870
Name	OJ000217_16.0403.C17.o2.gs	Method	GENSCAN
Start	1527	End	2870
GI	none	Score	.8
Exons	1527..2536, 2804..2870		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o8.tw	Method	TBLASTX:Wheat
Start	629	End	1060
GI	none	Score	259
Exons	629..1060		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o5.tw	Method	TBLASTX:Wheat
Start	1355	End	1910
GI	none	Score	182
Exons	1355..1453, 1475..1597, 1587..1667, 1662..1910		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o7.ts	Method	TBLASTX:Soybean
Start	1602	End	2060
GI	none	Score	106
Exons	1602..1625, 1710..1859, 1902..2060		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	1641	End	2522
GI	none	Score	53
Exons	1641..1670, 1665..2522, 1830..2039, 2020..2511		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o6.tw	Method	TBLASTX:Wheat
Start	1986	End	2328
GI	none	Score	64
Exons	1986..2141, 2023..2142, 2142..2327, 2143..2328		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o10.tw	Method	TBLASTX:Wheat
Start	2370	End	2522
GI	none	Score	73
Exons	2370..2519, 2370..2522, 2398..2520		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-

Start	17728	End	21621
Name	OJ000217_16.0403.C17.o2.tw	Method	TBLASTX:Wheat
Start	4087	End	4400
GI	none	Score	196
Exons	4087..4239, 4128..4400, 4293..4400, 4306..4398, 4306..4398		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o3.tm	Method	TBLASTX:Maize
Start	4119	End	4400
GI	none	Score	309
Exons	4119..4400, 4120..4398		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o1.tc	Method	TBLASTX:Cress
Start	4122	End	4400
GI	none	Score	142
Exons	4122..4400, 4132..4239, 4309..4398		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o3.ts	Method	TBLASTX:Soybean
Start	4122	End	4400
GI	none	Score	145
Exons	4122..4400, 4132..4239, 4309..4398		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o6.tc	Method	TBLASTX:Cress
Start	6435	End	6899
GI	none	Score	51
Exons	6435..6644, 6457..6645, 6684..6800, 6685..6771, 6810..6899		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o1.ts	Method	TBLASTX:Soybean
Start	6459	End	7073
GI	none	Score	220
Exons	6459..7073, 6487..6885, 6946..7071		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o4.tm	Method	TBLASTX:Maize
Start	6483	End	6907
GI	none	Score	110
Exons	6483..6770, 6529..6771, 6771..6899, 6772..6906, 6777..6905, 6788..6907		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-

Start	17728	End	21621
Name	OJ000217_16.0403.C17.o1.tw	Method	TBLASTX:Wheat
Start	6837	End	7274
GI	none	Score	58
Exons	6837..7274, 6838..6924, 6955..7269		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o8.tm	Method	TBLASTX:Maize
Start	6909	End	7142
GI	none	Score	142
Exons	6909..7142, 6943..7137		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o8.tc	Method	TBLASTX:Cress
Start	7146	End	7391
GI	none	Score	191
Exons	7146..7391		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o2.tm	Method	TBLASTX:Maize
Start	7209	End	7655
GI	none	Score	65
Exons	7209..7655, 7216..7449, 7480..7635		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o3.tw	Method	TBLASTX:Wheat
Start	7275	End	7788
GI	none	Score	69
Exons	7275..7457, 7443..7787, 7564..7635, 7654..7788		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o2.ts	Method	TBLASTX:Soybean
Start	7458	End	7955
GI	5509260	Score	136
Exons	7458..7955, 7477..7629, 7675..7788		
GI Descrip.	-		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o4.tc	Method	TBLASTX:Cress
Start	7569	End	7838
GI	none	Score	108
Exons	7569..7838, 7588..7797		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-

Start	17728	End	21621
Name	OJ000217_16.0403.C17.o12.tm	Method	TBLASTX:Maize
Start	7659	End	7925
GI	none	Score	216
Exons	7659..7925		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o7.tw	Method	TBLASTX:Wheat
Start	8466	End	8822
GI	none	Score	271
Exons	8466..8822		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o2.tc	Method	TBLASTX:Cress
Start	8475	End	8940
GI	none	Score	75
Exons	8475..8939, 8779..8940		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o5.ts	Method	TBLASTX:Soybean
Start	8493	End	8912
GI	none	Score	258
Exons	8493..8912		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o7.tm	Method	TBLASTX:Maize
Start	8496	End	8819
GI	none	Score	78
Exons	8496..8819, 8500..8691		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o6.ts	Method	TBLASTX:Soybean
Start	8934	End	9236
GI	none	Score	122
Exons	8934..9113, 9123..9236		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o11.tm	Method	TBLASTX:Maize
Start	9468	End	9722
GI	none	Score	222
Exons	9468..9722		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621

Name	OJ000217_16.0403.C17.o4.tw	Method	TBLASTX:Wheat
Start	9471	End	9813
GI	none	Score	135
Exons	9471..9767, 9472..9813, 9474..9782		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o9.tw	Method	TBLASTX:Wheat
Start	10032	End	10373
GI	none	Score	75
Exons	10032..10373, 10156..10317		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o7.tc	Method	TBLASTX:Cress
Start	10125	End	10634
GI	none	Score	75
Exons	10125..10475, 10506..10634		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o5.tm	Method	TBLASTX:Maize
Start	10179	End	10598
GI	none	Score	135
Exons	10179..10484, 10186..10482, 10491..10598		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o3.tc	Method	TBLASTX:Cress
Start	13437	End	19007
GI	none	Score	38
Exons	13437..13502, 13554..13727, 13767..13895, 16817..16978, 16818..16979, 18235..18378, 18236..18364, 18579..18797, 18843..19007		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o9.tm	Method	TBLASTX:Maize
Start	13437	End	19049
GI	none	Score	73
Exons	13437..13622, 13443..13505, 13551..13628, 13770..13898, 13794..13889, 13974..14048, 16851..16916, 16890..16985, 16896..16946, 17024..17152, 17028..17153, 18229..18318, 18242..18319, 18295..18363, 18296..18364, 18429..18521, 18552..18683, 18574..18687, 18820..19011, 18849..19010, 18993..19049		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o4.ts	Method	TBLASTX:Soybean
Start	13458	End	19004

GI	none	Score	63
Exons	13458..13505, 13551..13622, 13769..13903, 13770..13898, 13977..14048, 16850..16978, 16851..16985, 17133..17447, 17135..17482, 17154..17447, 17731..17904, 17941..18045, 18229..18363, 18236..18364, 18429..18512, 18568..18696, 18570..18689, 18817..18924, 18849..19004		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o5.tc	Method	TBLASTX:Cress
Start	17091	End	18045
GI	none	Score	262
Exons	17091..17441, 17246..17440, 17764..17904, 17941..18045		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o6.tm	Method	TBLASTX:Maize
Start	17183	End	18024
GI	none	Score	159
Exons	17183..17317, 17184..17303, 17289..17450, 17291..17449, 17758..18024, 17758..18024		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o6.gs	Method	GENSCAN
Start	17728	End	21621
GI	none	Score	.7
Exons	17728..18360, 18435..19051, 19086..19277, 20192..20275, 21573..21621		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99157	Strand	-
Start	17728	End	21621
Name	OJ000217_16.0403.C17.o3.gp	Method	AAT/GAP
Start	18258	End	19064
GI	40926_1.R1084	Score	1401
Exons	18258..18360, 18435..19064		
GI Descrip.	'2832660/emb|CAA16735| 1.0e-51 (AL021710) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	46686	Seq. ID	OJ000217_16.0403.C17
Gene No.	99158	Strand	
Start	23027	End	23357
Name	OJ000217_16.0403.C17.o10.tm	Method	TBLASTX:Maize
Start	23027	End	23357
GI	none	Score	88
Exons	23027..23080, 23028..23093, 23106..23207, 23141..23191, 23175..23357, 23250..23354		

Seq. No.	46687	Seq. ID	OJ000217_16.0403.C19
Gene No.	99159	Strand	+
Start	3696	End	8121
Name	OJ000217_16.0403.C19.o2.np	Method	AAT/NAP
Start	3696	End	8121

GI	4809171	Score	297
Exons	3696..3728, 5995..6647, 6725..6990, 7659..7820, 8096..8121		
GI Descrip.	(AF135455) phytochrome A supressor spa1 [Arabidopsis thaliana]		

Seq. No.	46687	Seq. ID	OJ000217_16.0403.C19
Gene No.	99160	Strand	-
Start	1	End	296
Name	OJ000217_16.0403.C19.o1.np	Method	AAT/NAP
Start	1	End	190
GI	6630696	Score	300
Exons	1..190		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	46687	Seq. ID	OJ000217_16.0403.C19
Gene No.	99160	Strand	-
Start	1	End	296
Name	OJ000217_16.0403.C19.o1.tw	Method	TBLASTX:Wheat
Start	3	End	296
GI	none	Score	81
Exons	3..110, 5..184, 161..295, 198..296		

Seq. No.	46687	Seq. ID	OJ000217_16.0403.C19
Gene No.	99161	Strand	
Start	5557	End	5789
Name	OJ000217_16.0403.C19.o3.tm	Method	TBLASTX:Maize
Start	5557	End	5789
GI	none	Score	87
Exons	5557..5613, 5559..5606, 5620..5781, 5629..5778, 5637..5789		

Seq. No.	46687	Seq. ID	OJ000217_16.0403.C19
Gene No.	99162	Strand	
Start	6150	End	6400
Name	OJ000217_16.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	6150	End	6400
GI	none	Score	165
Exons	6150..6398, 6150..6398, 6154..6399, 6158..6400		

Seq. No.	46687	Seq. ID	OJ000217_16.0403.C19
Gene No.	99163	Strand	
Start	6643	End	7722
Name	OJ000217_16.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	6643	End	7722
GI	none	Score	158
Exons	6643..6819, 6643..6813, 6648..6815, 6820..6993, 6821..6988, 6822..6992, 7647..7721, 7648..7722, 7658..7720		

Seq. No.	46688	Seq. ID	OJ000217_16.0403.C23
Gene No.	99164	Strand	+
Start	1	End	1470
Name	OJ000217_16.0403.C23.o1.np	Method	AAT/NAP
Start	1	End	657
GI	4559377	Score	266
Exons	1..47, 469..657		
GI Descrip.	(AC006526) putative photomorphogenesis repressor protein [Arabidopsis thaliana]		

Seq. No.	46688	Seq. ID	OJ000217_16.0403.C23
Gene No.	99164	Strand	+
Start	1	End	1470
Name	OJ000217_16.0403.C23.o1.tm	Method	TBLASTX:Maize
Start	1	End	666
GI	none	Score	85
Exons	1..63, 3..62, 425..664, 462..662, 466..666, 469..663		

Seq. No.	46688	Seq. ID	OJ000217_16.0403.C23
Gene No.	99164	Strand	+
Start	1	End	1470
Name	OJ000217_16.0403.C23.o1.tc	Method	TBLASTX:Cress
Start	3	End	657
GI	none	Score	66
Exons	3..77, 466..657, 478..609, 489..656		

Seq. No.	46688	Seq. ID	OJ000217_16.0403.C23
Gene No.	99164	Strand	+
Start	1	End	1470
Name	OJ000217_16.0403.C23.o1.ts	Method	TBLASTX:Soybean
Start	3	End	660
GI	none	Score	75
Exons	3..83, 466..660, 467..625, 477..656		

Seq. No.	46688	Seq. ID	OJ000217_16.0403.C23
Gene No.	99164	Strand	+
Start	1	End	1470
Name	OJ000217_16.0403.C23.o1.gs	Method	GENSCAN
Start	435	End	1470
GI	none	Score	.43
Exons	435..599, 773..937, 1401..1470		

Seq. No.	46689	Seq. ID	OJ000217_16.0403.C24
Gene No.	99165	Strand	+
Start	1	End	5476
Name	OJ000217_16.0403.C24.o3.np	Method	AAT/NAP
Start	1	End	5476
GI	5042454	Score	186
Exons	1..21, 781..933, 4429..4727, 4868..5034, 5416..5476		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46689	Seq. ID	OJ000217_16.0403.C24
Gene No.	99165	Strand	+
Start	1	End	5476
Name	OJ000217_16.0403.C24.o1.gp	Method	AAT/GAP
Start	231	End	749
GI	2428551	Score	822
Exons	231..554, 646..749		

Seq. No.	46689	Seq. ID	OJ000217_16.0403.C24
Gene No.	99166	Strand	+
Start	6420	End	8649
Name	OJ000217_16.0403.C24.o4.np	Method	AAT/NAP
Start	6420	End	8649
GI	5852179	Score	272
Exons	6420..6440, 7268..7485, 7560..7862, 8323..8649		

GI Descrip. (AL117265) zhb0009.1 [Oryza sativa]

Seq. No.	46689	Seq. ID	OJ000217_16.0403.C24
Gene No.	99167	Strand	-
Start	800	End	3638
Name	OJ000217_16.0403.C24.o1.np	Method	AAT/NAP
Start	800	End	3638
GI	7340884	Score	119
Exons	800..871, 1867..2019, 3456..3638		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	46689	Seq. ID	OJ000217_16.0403.C24
Gene No.	99168	Strand	-
Start	4432	End	5280
Name	OJ000217_16.0403.C24.o2.np	Method	AAT/NAP
Start	4432	End	5280
GI	7523512	Score	210
Exons	4432..4574, 5148..5280		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46689	Seq. ID	OJ000217_16.0403.C24
Gene No.	99169	Strand	-
Start	6895	End	7996
Name	OJ000217_16.0403.C24.o1.tm	Method	TBLASTX:Maize
Start	680	End	859
GI	none	Score	246
Exons	680..859, 681..845		

Seq. No.	46689	Seq. ID	OJ000217_16.0403.C24
Gene No.	99169	Strand	-
Start	6895	End	7996
Name	OJ000217_16.0403.C24.o2.gs	Method	GENSCAN
Start	6895	End	7996
GI	none	Score	.74
Exons	6895..6992, 7358..7505, 7511..7996		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99170	Strand	
Start	8561	End	9175
Name	OJ000307_19.0403.C3.o5.tm	Method	TBLASTX:Maize
Start	8561	End	8704
GI	none	Score	125
Exons	8561..8704, 8565..8699		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99170	Strand	
Start	8561	End	9175
Name	OJ000307_19.0403.C3.o6.tw	Method	TBLASTX:Wheat
Start	8573	End	9175
GI	none	Score	72
Exons	8573..8698, 8580..8699, 8729..8803, 8879..9175, 8892..9170		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99171	Strand	
Start	9176	End	9685
Name	OJ000307_19.0403.C3.o4.tw	Method	TBLASTX:Wheat

Start	9176	End	9557
GI	none	Score	188
Exons	9176..9556, 9207..9455, 9280..9459, 9501..9557		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99171	Strand	
Start	9176	End	9685
Name	OJ000307_19.0403.C3.o3.tm	Method	TBLASTX:Maize
Start	9371	End	9685
GI	none	Score	201
Exons	9371..9685, 9384..9677		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99172	Strand	
Start	9887	End	10660
Name	OJ000307_19.0403.C3.o8.tw	Method	TBLASTX:Wheat
Start	9887	End	10199
GI	none	Score	62
Exons	9887..10147, 9998..10186, 10023..10199		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99172	Strand	
Start	9887	End	10660
Name	OJ000307_19.0403.C3.o2.ts	Method	TBLASTX:Soybean
Start	9947	End	10513
GI	5666795	Score	68
Exons	9947..10147, 10202..10339, 10415..10513		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99172	Strand	
Start	9887	End	10660
Name	OJ000307_19.0403.C3.o5.tw	Method	TBLASTX:Wheat
Start	10202	End	10660
GI	none	Score	87
Exons	10202..10351, 10203..10340, 10385..10636, 10386..10571, 10406..10660		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99173	Strand	
Start	11067	End	11574
Name	OJ000307_19.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	11067	End	11438
GI	none	Score	90
Exons	11067..11438, 11278..11421		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99173	Strand	
Start	11067	End	11574
Name	OJ000307_19.0403.C3.o2.tw	Method	TBLASTX:Wheat
Start	11097	End	11517
GI	none	Score	279
Exons	11097..11516, 11122..11517		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99173	Strand	
Start	11067	End	11574

Name	OJ000307_19.0403.C3.o2.tm	Method	TBLASTX:Maize
Start	11190	End	11574
GI	none	Score	230
Exons	11190..11573, 11209..11574		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99174	Strand	
Start	11601	End	12088
Name	OJ000307_19.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	11601	End	11957
GI	none	Score	68
Exons	11601..11717, 11601..11957, 11611..11922		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99174	Strand	
Start	11601	End	12088
Name	OJ000307_19.0403.C3.o1.tw	Method	TBLASTX:Wheat
Start	11625	End	12088
GI	none	Score	210
Exons	11625..12086, 11631..12086, 11632..12087, 11645..12088		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99174	Strand	
Start	11601	End	12088
Name	OJ000307_19.0403.C3.o3.ts	Method	TBLASTX:Soybean
Start	11682	End	12047
GI	none	Score	111
Exons	11682..11816, 11823..12047		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99175	Strand	
Start	12252	End	12738
Name	OJ000307_19.0403.C3.o3.tw	Method	TBLASTX:Wheat
Start	12252	End	12738
GI	none	Score	160
Exons	12252..12737, 12283..12543, 12565..12738		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99176	Strand	
Start	13476	End	13865
Name	OJ000307_19.0403.C3.o7.tw	Method	TBLASTX:Wheat
Start	13476	End	13865
GI	none	Score	96
Exons	13476..13733, 13513..13749, 13716..13814, 13717..13797, 13821..13865		

Seq. No.	46690	Seq. ID	OJ000307_19.0403.C3
Gene No.	99176	Strand	
Start	13476	End	13865
Name	OJ000307_19.0403.C3.o4.tm	Method	TBLASTX:Maize
Start	13578	End	13826
GI	none	Score	90
Exons	13578..13826, 13579..13824		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99177	Strand	+
Start	2516	End	2751

Name	OJ000307_19.0403.C4.o1.gp	Method	AAT/GAP
Start	2516	End	2751
GI	2797189	Score	415
Exons	2516..2751		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99178	Strand	+
Start	9708	End	10210
Name	OJ000307_19.0403.C4.o2.gp	Method	AAT/GAP
Start	9708	End	10210
GI	96420_1.R1084	Score	991
Exons	9708..10210		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99179	Strand	+
Start	10220	End	10607
Name	OJ000307_19.0403.C4.o3.gp	Method	AAT/GAP
Start	10220	End	10607
GI	uC-osf1M2020114f03a1	Score	764
Exons	10220..10607		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99180	Strand	+
Start	16136	End	16306
Name	OJ000307_19.0403.C4.o2.ts	Method	TBLASTX:Soybean
Start	3866	End	6065
GI	none	Score	48
Exons	3866..3961, 4041..4076, 4278..4394, 4330..4398, 4483..4545, 4486..4545, 4602..4673, 4819..4926, 4822..4878, 4859..4909, 5055..5075, 5360..5455, 5373..5456, 5593..5820, 5594..5662, 5747..5815, 5994..6065		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99180	Strand	+
Start	16136	End	16306
Name	OJ000307_19.0403.C4.o2.tm	Method	TBLASTX:Maize
Start	3902	End	6090
GI	none	Score	72
Exons	3902..3961, 4041..4082, 4326..4394, 4486..4545, 4617..4697, 4819..4926, 4822..4881, 4859..4906, 5052..5075, 5360..5455, 5361..5456, 5593..5661, 5594..5662, 5997..6089, 6001..6090		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99180	Strand	+
Start	16136	End	16306
Name	OJ000307_19.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	6212	End	6989
GI	none	Score	172
Exons	6212..6355, 6213..6356, 6246..6356, 6247..6357, 6409..6519, 6421..6522, 6422..6523, 6422..6523, 6423..6527, 6869..6988, 6873..6989		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4

Gene No.	99180	Strand	+
Start	16136	End	16306
Name	OJ000307_19.0403.C4.o1.tc	Method	TBLASTX:Cress
Start	8640	End	8816
GI	none	Score	207
Exons	8640..8816		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99180	Strand	+
Start	16136	End	16306
Name	OJ000307_19.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	13858	End	14256
GI	none	Score	309
Exons	13858..14256, 13866..14255		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99180	Strand	+
Start	16136	End	16306
Name	OJ000307_19.0403.C4.o3.tm	Method	TBLASTX:Maize
Start	14256	End	14439
GI	none	Score	198
Exons	14256..14402, 14257..14439		

Seq. No.	46691	Seq. ID	OJ000307_19.0403.C4
Gene No.	99180	Strand	+
Start	16136	End	16306
Name	OJ000307_19.0403.C4.o4.gp	Method	AAT/GAP
Start	16136	End	16306
GI	2428185	Score	298
Exons	16136..16306		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	46692	Seq. ID	OJ000307_19.0403.C5
Gene No.	99181	Strand	-
Start	670	End	978
Name	OJ000307_19.0403.C5.o1.gp	Method	AAT/GAP
Start	670	End	978
GI	61605_3.R1084	Score	450
Exons	670..978		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	46692	Seq. ID	OJ000307_19.0403.C5
Gene No.	99182	Strand	
Start	1015	End	1799
Name	OJ000307_19.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	1015	End	1799
GI	none	Score	61
Exons	1015..1074, 1023..1073, 1087..1437, 1158..1220, 1165..1428, 1275..1436, 1444..1596, 1500..1598, 1606..1737, 1650..1799		

Seq. No.	46693	Seq. ID	OJ000307_19.0403.C8
Gene No.	99183	Strand	+
Start	1834	End	3482
Name	OJ000307_19.0403.C8.o1.gp	Method	AAT/GAP
Start	1834	End	3482

GI	LIB3431-021-P1-K1-G2	Score	744
Exons	1834..1887, 2009..2117, 2226..2267, 2368..2532, 3381..3482		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 6.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	46693	Seq. ID	OJ000307_19.0403.C8
Gene No.	99184	Strand	+
Start	3489	End	4650
Name	OJ000307_19.0403.C8.o2.gp	Method	AAT/GAP
Start	3489	End	4650
GI	none	Score	838
Exons	3489..3557, 4285..4650		

Seq. No.	46694	Seq. ID	OJ000307_19.0403.C9
Gene No.	99185	Strand	
Start	3809	End	4030
Name	OJ000307_19.0403.C9.o3.tm	Method	TBLASTX:Maize
Start	3809	End	4030
GI	none	Score	81
Exons	3809..4030, 3894..4019		

Seq. No.	46694	Seq. ID	OJ000307_19.0403.C9
Gene No.	99186	Strand	
Start	4032	End	4516
Name	OJ000307_19.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	4032	End	4516
GI	none	Score	48
Exons	4032..4121, 4164..4505, 4235..4516		

Seq. No.	46694	Seq. ID	OJ000307_19.0403.C9
Gene No.	99187	Strand	
Start	4721	End	4948
Name	OJ000307_19.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	4721	End	4948
GI	none	Score	100
Exons	4721..4948, 4722..4940		

Seq. No.	46695	Seq. ID	OJ000307_19.0403.C13
Gene No.	99188	Strand	+
Start	298	End	825
Name	OJ000307_19.0403.C13.o2.gp	Method	AAT/GAP
Start	298	End	825
GI	21466_1.R1084	Score	983
Exons	298..825		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	46695	Seq. ID	OJ000307_19.0403.C13
Gene No.	99189	Strand	-
Start	36	End	126
Name	OJ000307_19.0403.C13.o1.gp	Method	AAT/GAP
Start	36	End	126
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	36..126		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46696	Seq. ID	OJ000307_19.0403.C16
Gene No.	99190	Strand	+
Start	1	End	818
Name	OJ000307_19.0403.C16.o1.gp	Method	AAT/GAP
Start	1	End	818
GI	none	Score	1348
Exons	1..248, 357..818		

Seq. No.	46697	Seq. ID	OJ000117_06.0403.C2
Gene No.	99191	Strand	+
Start	2	End	1633
Name	OJ000117_06.0403.C2.o1.gs	Method	GENSCAN
Start	2	End	1616
GI	none	Score	.69
Exons	2..607, 673..831, 900..1616		

Seq. No.	46697	Seq. ID	OJ000117_06.0403.C2
Gene No.	99191	Strand	+
Start	2	End	1633
Name	OJ000117_06.0403.C2.o1.np	Method	AAT/NAP
Start	2	End	1633
GI	7488075	Score	520
Exons	2..277, 332..1022, 1170..1633		
GI Descrip.	probable centromere protein - Arabidopsis thaliana gi|2244833|emb|CAB10255.1| (Z97337) centromere protein homolog [Arabidopsis thaliana] gi|7268182|emb|CAB78518.1| (AL161539) centromere protein homolog [Arabidopsis thaliana]		

Seq. No.	46697	Seq. ID	OJ000117_06.0403.C2
Gene No.	99192	Strand	-
Start	1	End	328
Name	OJ000117_06.0403.C2.o1.gp	Method	AAT/GAP
Start	1	End	328
GI	LIB3434-030-P1-K1-F6	Score	541
Exons	1..328		
GI Descrip.	'3892059/gb|AAC78272.1|AAC78272 2.0e-31 (AC002330) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	46697	Seq. ID	OJ000117_06.0403.C2
Gene No.	99192	Strand	-
Start	1	End	328
Name	OJ000117_06.0403.C2.o1.tc	Method	TBLASTX:Cress
Start	1	End	181
GI	none	Score	215
Exons	1..174, 2..181, 2..178		

Seq. No.	46697	Seq. ID	OJ000117_06.0403.C2
Gene No.	99192	Strand	-
Start	1	End	328
Name	OJ000117_06.0403.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	262
GI	none	Score	106
Exons	1..213, 2..262, 2..214		

Seq. No.	46698	Seq. ID	OJ000117_06.0403.C9
Gene No.	99193	Strand	-

Start	946	End	983
Name	OJ000117_06.0403.C9.o1.gs	Method	GENSCAN
Start	946	End	983
GI	none	Score	.63
Exons	946..983		

Seq. No.	46699	Seq. ID	OJ000117_06.0403.C12
Gene No.	99194	Strand	-
Start	1261	End	2561
Name	OJ000117_06.0403.C12.o1.gs	Method	GENSCAN
Start	1261	End	2561
GI	none	Score	.41
Exons	1261..1705, 1759..2107, 2460..2561		

Seq. No.	46700	Seq. ID	OJ000117_06.0403.C13
Gene No.	99195	Strand	-
Start	403	End	534
Name	OJ000117_06.0403.C13.o1.gs	Method	GENSCAN
Start	403	End	534
GI	none	Score	.49
Exons	403..534		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o2.tm	Method	TBLASTX:Maize
Start	528	End	695
GI	none	Score	114
Exons	528..695, 565..693		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o1.gs	Method	GENSCAN
Start	564	End	3182
GI	none	Score	.9
Exons	564..810, 884..1032, 1246..1354, 1453..1587, 2070..2612, 2970..3074, 3079..3182		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o1.np	Method	AAT/NAP
Start	591	End	3097
GI	4263717	Score	1257
Exons	591..810, 884..1032, 1246..1354, 1477..1643, 1782..1917, 1986..2612, 2970..3097		
GI Descrip.	(AC006223) putative inositol polyphosphate 5'-phosphatase [Arabidopsis thaliana]		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o1.tc	Method	TBLASTX:Cress
Start	669	End	3077
GI	none	Score	94
Exons	669..809, 878..1036, 883..1035, 1243..1353, 1494..1649,		

1513..1644, 1782..1919, 1783..1917, 2511..2612, 2513..2611, 2966..3076, 2970..3077

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o1.tw	Method	TBLASTX:Wheat
Start	670	End	1006
GI	none	Score	80
Exons	670..810, 672..809, 878..1006, 883..1005		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	696	End	1838
GI	none	Score	145
Exons	696..809, 697..810, 711..812, 878..1033, 883..1035, 883..1035, 1224..1346, 1232..1354, 1243..1353, 1253..1360, 1452..1478, 1452..1481, 1479..1649, 1480..1644, 1491..1664, 1782..1838, 1783..1836		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o2.ts	Method	TBLASTX:Soybean
Start	738	End	1042
GI	none	Score	108
Exons	738..809, 739..810, 758..811, 878..1042, 882..992, 883..1035		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o1.ts	Method	TBLASTX:Soybean
Start	1276	End	2279
GI	none	Score	88
Exons	1276..1353, 1280..1354, 1452..1484, 1491..1649, 1492..1644, 1778..1825, 1780..1917, 1782..1919, 1782..1919, 1783..1920, 2198..2278, 2202..2279		

Seq. No.	46701	Seq. ID	OJ000117_06.0403.C14
Gene No.	99196	Strand	-
Start	564	End	3182
Name	OJ000117_06.0403.C14.o3.ts	Method	TBLASTX:Soybean
Start	2402	End	3025
GI	none	Score	99
Exons	2402..2458, 2507..2611, 2508..2612, 2966..3025, 2970..3023		

Seq. No.	46702	Seq. ID	OJ000117_06.0403.C16
Gene No.	99197	Strand	+
Start	1477	End	2342
Name	OJ000117_06.0403.C16.o1.np	Method	AAT/NAP
Start	1477	End	2342
GI	6721543	Score	93
Exons	1477..1617, 2257..2342		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46702	Seq. ID	OJ000117_06.0403.C16
Gene No.	99197	Strand	+
Start	1477	End	2342
Name	OJ000117_06.0403.C16.o1.gp	Method	AAT/GAP
Start	1491	End	1641
GI	7406_1.R1084	Score	228
Exons	1491..1641		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	46702	Seq. ID	OJ000117_06.0403.C16
Gene No.	99197	Strand	+
Start	1477	End	2342
Name	OJ000117_06.0403.C16.o2.np	Method	AAT/NAP
Start	2093	End	2342
GI	7228442	Score	403
Exons	2093..2342		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46703	Seq. ID	OJ000117_06.0403.C17
Gene No.	99198	Strand	+
Start	1	End	3082
Name	OJ000117_06.0403.C17.o1.np	Method	AAT/NAP
Start	1	End	3082
GI	7228442	Score	3522
Exons	1..2025, 3055..3082		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46703	Seq. ID	OJ000117_06.0403.C17
Gene No.	99198	Strand	+
Start	1	End	3082
Name	OJ000117_06.0403.C17.o1.gs	Method	GENSCAN
Start	86	End	2911
GI	none	Score	.63
Exons	86..776, 791..1529, 1871..2025, 2409..2559, 2665..2911		

Seq. No.	46703	Seq. ID	OJ000117_06.0403.C17
Gene No.	99198	Strand	+
Start	1	End	3082
Name	OJ000117_06.0403.C17.o2.np	Method	AAT/NAP
Start	367	End	3082
GI	6815062	Score	584
Exons	367..889, 917..1049, 1167..2001, 2415..2630, 2718..3082		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	46703	Seq. ID	OJ000117_06.0403.C17
Gene No.	99198	Strand	+
Start	1	End	3082
Name	OJ000117_06.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	413	End	1008
GI	none	Score	93

Exons	413..541, 421..519, 575..766, 592..765, 769..873, 937..1008		
Seq. No.	46703	Seq. ID	OJ000117_06.0403.C17
Gene No.	99198	Strand	+
Start	1	End	3082
Name	OJ000117_06.0403.C17.o1.gp	Method	AAT/GAP
Start	456	End	886
GI	5701669	Score	832
Exons	456..886		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	46703	Seq. ID	OJ000117_06.0403.C17
Gene No.	99198	Strand	+
Start	1	End	3082
Name	OJ000117_06.0403.C17.o1.tw	Method	TBLASTX:Wheat
Start	707	End	1086
GI	none	Score	66
Exons	707..769, 716..766, 772..912, 775..900, 910..1086, 933..1025		
Seq. No.	46704	Seq. ID	OJ000117_06.0403.C18
Gene No.	99199	Strand	+
Start	1	End	1887
Name	OJ000117_06.0403.C18.o1.gp	Method	AAT/GAP
Start	1	End	252
GI	LIB3475-007-P1-K1-G8	Score	477
Exons	1..252		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	46704	Seq. ID	OJ000117_06.0403.C18
Gene No.	99199	Strand	+
Start	1	End	1887
Name	OJ000117_06.0403.C18.o2.np	Method	AAT/NAP
Start	1	End	1633
GI	7228442	Score	251
Exons	1..47, 1449..1633		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	46704	Seq. ID	OJ000117_06.0403.C18
Gene No.	99199	Strand	+
Start	1	End	1887
Name	OJ000117_06.0403.C18.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	5441880	Score	1129
Exons	1..260, 505..602, 849..980, 1096..1330		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	46704	Seq. ID	OJ000117_06.0403.C18
Gene No.	99199	Strand	+
Start	1	End	1887

Name	OJ000117_06.0403.C18.o1.gs	Method	GENSCAN
Start	54	End	1609
GI	none	Score	.74
Exons	54..260, 353..535, 693..748, 849..980, 1044..1091, 1096..1313, 1449..1609		

Seq. No.	46704	Seq. ID	OJ000117_06.0403.C18
Gene No.	99199	Strand	+
Start	1	End	1887
Name	OJ000117_06.0403.C18.o2.gp	Method	AAT/GAP
Start	1434	End	1887
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	1434..1887		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99200	Strand	-
Start	255	End	7177
Name	OJ000117_06.0403.C19.o1.np	Method	AAT/NAP
Start	255	End	2633
GI	5107820	Score	604
Exons	255..467, 573..851, 1077..1200, 2608..2633		
GI Descrip.	(AF149413) contains similarity to protein kinase domains; Pfam PF00069, Score=15.8, E=0.0027, N=1 [Arabidopsis thaliana]		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99200	Strand	-
Start	255	End	7177
Name	OJ000117_06.0403.C19.o1.gs	Method	GENSCAN
Start	354	End	7177
GI	none	Score	.63
Exons	354..467, 573..851, 1077..1190, 1915..3236, 3318..3433, 4368..4381, 4871..4942, 5018..5221, 5669..5798, 5944..6170, 7001..7177		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99200	Strand	-
Start	255	End	7177
Name	OJ000117_06.0403.C19.o1.gp	Method	AAT/GAP
Start	741	End	3497
GI	uC-osf1cyp026f12b1	Score	942
Exons	741..851, 1077..1190, 1269..1366, 3318..3497		
GI Descrip.	'5107820/gb|AAD40133.1|AF149413_14 2.0e-29 (AF149413) contains similarity to protein kinase domains; Pfam PF00069, Score=15.8, E=0.0027, N=1 [Arabidopsis thaliana]'		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99200	Strand	-
Start	255	End	7177
Name	OJ000117_06.0403.C19.o3.np	Method	AAT/NAP
Start	4455	End	7168
GI	6685163	Score	947
Exons	4455..4601, 4871..4942, 5018..5221, 5669..5798, 5944..6170, 6254..6310, 7001..7168		
GI Descrip.	(AF219223) homocysteine S-methyltransferase AtHMT-2 [Arabidopsis thaliana]		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	339	End	1149
GI	none	Score	159
Exons	339..467, 346..468, 346..468, 565..852, 570..851, 1069..1149, 1077..1148, 1078..1149		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o1.tc	Method	TBLASTX:Cress
Start	351	End	853
GI	none	Score	62
Exons	351..461, 351..467, 355..468, 355..468, 546..851, 547..852, 692..853		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o1.ts	Method	TBLASTX:Soybean
Start	421	End	836
GI	none	Score	59
Exons	421..468, 423..467, 565..831, 570..836		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	2590	End	2860
GI	none	Score	310
Exons	2590..2859, 2591..2860		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o3.ts	Method	TBLASTX:Soybean
Start	2623	End	3012
GI	none	Score	43
Exons	2623..2700, 2639..2701, 2756..2905, 2758..3012		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o2.ts	Method	TBLASTX:Soybean
Start	4467	End	7180
GI	none	Score	85
Exons	4467..4568, 4468..4575, 4468..4575, 5042..5146, 5046..5147, 5153..5224, 5154..5240, 5657..5794, 5657..5797, 5676..5798, 5946..6200, 5947..6171, 6236..6322, 6243..6344, 7016..7180		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o3.tm	Method	TBLASTX:Maize

Start	4470	End	7123
GI	none	Score	69
Exons	4470..4601, 4470..4601, 4474..4614, 4829..4963, 4829..4960, 4869..4964, 4986..5222, 4988..5224, 5013..5225, 5042..5224, 5657..5800, 5657..5800, 5658..5801, 5944..6009, 5946..6014, 6060..6200, 6100..6171, 6191..6322, 6236..6313, 7016..7123		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o2.tc	Method	TBLASTX:Cress
Start	4473	End	7144
GI	none	Score	107
Exons	4473..4601, 4492..4623, 4829..4960, 4863..4943, 4870..4944, 4988..5224, 5013..5222, 5033..5263, 5658..5801, 5669..5800, 5898..6050, 5928..6014, 5944..6051, 6015..6173, 6100..6171, 6119..6199, 6137..6172, 6194..6340, 6236..6310, 7016..7144		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o1.tw	Method	TBLASTX:Wheat
Start	4862	End	5219
GI	none	Score	92
Exons	4862..4969, 4869..4967, 4870..4995, 4986..5219, 4988..5218		

Seq. No.	46705	Seq. ID	OJ000117_06.0403.C19
Gene No.	99201	Strand	-
Start	8886	End	9170
Name	OJ000117_06.0403.C19.o2.gs	Method	GENSCAN
Start	8886	End	9170
GI	none	Score	.79
Exons	8886..9170		

Seq. No.	46706	Seq. ID	OJ000117_06.0403.C20
Gene No.	99202	Strand	+
Start	7843	End	8239
Name	OJ000117_06.0403.C20.o1.np	Method	AAT/NAP
Start	7843	End	8239
GI	4587570	Score	110
Exons	7843..7939, 8156..8239		
GI Descrip.	(AC006550) Strong similarity to gi|2244833 centromere protein homolog from Arabidopsis thaliana chromosome 4 contig gb|Z97337. ESTs gb|T20765 and gb|AA586277 come from this gene		

Seq. No.	46706	Seq. ID	OJ000117_06.0403.C20
Gene No.	99203	Strand	-
Start	7078	End	7313
Name	OJ000117_06.0403.C20.o2.gs	Method	GENSCAN
Start	7078	End	7313
GI	none	Score	.7
Exons	7078..7292, 7307..7313		

Seq. No.	46706	Seq. ID	OJ000117_06.0403.C20
Gene No.	99204	Strand	-
Start	7766	End	7956
Name	OJ000117_06.0403.C20.o1.tm	Method	TBLASTX:Maize

Start	7762	End	7941
GI	none	Score	52
Exons	7762..7824, 7765..7824, 7831..7941, 7837..7938		

Seq. No.	46706	Seq. ID	OJ000117_06.0403.C20
Gene No.	99204	Strand	-
Start	7766	End	7956
Name	OJ000117_06.0403.C20.o1.gp	Method	AAT/GAP
Start	7766	End	7956
GI	LIB3434-030-P1-K1-F6	Score	246
Exons	7766..7956		
GI Descrip.	'3892059/gb|AAC78272.1|AAC78272 2.0e-31 (AC002330) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	46707	Seq. ID	OJ000117_06.0403.C21
Gene No.	99205	Strand	+
Start	243	End	2712
Name	OJ000117_06.0403.C21.o1.gs	Method	GENSCAN
Start	243	End	2532
GI	none	Score	.73
Exons	243..1310, 1419..2532		

Seq. No.	46707	Seq. ID	OJ000117_06.0403.C21
Gene No.	99205	Strand	+
Start	243	End	2712
Name	OJ000117_06.0403.C21.o1.tc	Method	TBLASTX:Cress
Start	894	End	1319
GI	none	Score	222
Exons	894..1319, 933..1139		

Seq. No.	46707	Seq. ID	OJ000117_06.0403.C21
Gene No.	99205	Strand	+
Start	243	End	2712
Name	OJ000117_06.0403.C21.o2.tm	Method	TBLASTX:Maize
Start	999	End	1618
GI	none	Score	332
Exons	999..1313, 1011..1310, 1037..1312, 1363..1494, 1407..1490, 1415..1498, 1416..1550, 1449..1613, 1508..1618, 1516..1614		

Seq. No.	46707	Seq. ID	OJ000117_06.0403.C21
Gene No.	99205	Strand	+
Start	243	End	2712
Name	OJ000117_06.0403.C21.o1.gp	Method	AAT/GAP
Start	1035	End	1364
GI	none	Score	516
Exons	1035..1364		

Seq. No.	46707	Seq. ID	OJ000117_06.0403.C21
Gene No.	99205	Strand	+
Start	243	End	2712
Name	OJ000117_06.0403.C21.o1.tm	Method	TBLASTX:Maize
Start	1890	End	2417
GI	none	Score	582
Exons	1890..2417, 1891..2415, 2234..2416		

Seq. No.	46707	Seq. ID	OJ000117_06.0403.C21
Gene No.	99205	Strand	+

Start	243	End	2712
Name	OJ000117_06.0403.C21.o2.gp	Method	AAT/GAP
Start	2218	End	2712
GI	34776_1.R1084	Score	978
Exons	2218..2712		
GI Descrip.	'2244833/emb|CAB10255.1| 1.0e-09 (Z97337) centromere protein homolog [Arabidopsis thaliana]'		

Seq. No.	46707	Seq. ID	OJ000117_06.0403.C21
Gene No.	99205	Strand	+
Start	243	End	2712
Name	OJ000117_06.0403.C21.o3.tm	Method	TBLASTX:Maize
Start	2418	End	2654
GI	none	Score	261
Exons	2418..2654, 2418..2648		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99206	Strand	+
Start	1	End	1192
Name	OJ000117_06.0403.C22.o1.np	Method	AAT/NAP
Start	1	End	1189
GI	4587570	Score	280
Exons	1..65, 252..415, 515..1189		
GI Descrip.	(AC006550) Strong similarity to gi|2244833 centromere protein homolog from Arabidopsis thaliana chromosome 4 contig gb|Z97337. ESTs gb|T20765 and gb|AA586277 come from this gene		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99206	Strand	+
Start	1	End	1192
Name	OJ000117_06.0403.C22.o1.gs	Method	GENSCAN
Start	59	End	1192
GI	none	Score	.88
Exons	59..1192		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99206	Strand	+
Start	1	End	1192
Name	OJ000117_06.0403.C22.o1.gp	Method	AAT/GAP
Start	75	End	336
GI	none	Score	516
Exons	75..336		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99207	Strand	-
Start	429	End	887
Name	OJ000117_06.0403.C22.o2.gp	Method	AAT/GAP
Start	429	End	887
GI	7751_1.R1084	Score	716
Exons	429..887		
GI Descrip.	'4894628/gb|AAD32567.1| 4.0e-10 (AF124369) NT3 [Nicotiana tabacum]'		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99208	Strand	-
Start	968	End	1469
Name	OJ000117_06.0403.C22.o3.gp	Method	AAT/GAP

Start	968	End	1469
GI	none	Score	951
Exons	968..1469		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99209	Strand	-
Start	2395	End	4206
Name	OJ000117_06.0403.C22.o1.tm	Method	TBLASTX:Maize
Start	54	End	1389
GI	none	Score	264
Exons	54..236, 56..328, 59..322, 329..1234, 333..431, 480..1169, 1354..1389		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99209	Strand	-
Start	2395	End	4206
Name	OJ000117_06.0403.C22.o1.tw	Method	TBLASTX:Wheat
Start	647	End	2506
GI	none	Score	143
Exons	647..787, 648..794, 725..925, 784..924, 922..1017, 923..1096, 936..1097, 937..1098, 2444..2506		

Seq. No.	46708	Seq. ID	OJ000117_06.0403.C22
Gene No.	99209	Strand	-
Start	2395	End	4206
Name	OJ000117_06.0403.C22.o2.gs	Method	GENSCAN
Start	2395	End	4206
GI	none	Score	.89
Exons	2395..2903, 2995..3158, 4157..4206		

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99210	Strand	+
Start	237	End	3559
Name	OJ000117_06.0403.C23.o1.np	Method	AAT/NAP
Start	237	End	3556
GI	7485379	Score	2661
Exons	237..3556		
GI Descrip.	hypothetical protein F11C18.50 - Arabidopsis thaliana gi|4584524|emb|CAB40755.1| (AL049607) putative protein [Arabidopsis thaliana] gi|7270088|emb|CAB79903.1| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99210	Strand	+
Start	237	End	3559
Name	OJ000117_06.0403.C23.o2.gs	Method	GENSCAN
Start	641	End	3559
GI	none	Score	.6
Exons	641..801, 897..2506, 2631..3559		

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99210	Strand	+
Start	237	End	3559
Name	OJ000117_06.0403.C23.o1.gp	Method	AAT/GAP
Start	3007	End	3442
GI	LIB3432-057-P1-K1-H10	Score	842
Exons	3007..3442		

GI Descrip. '4584524/emb|CAB40755.1| 3.0e-38 (AL049607) putative protein [Arabidopsis thaliana]'

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99211	Strand	-
Start	121	End	498
Name	OJ000117_06.0403.C23.o1.gs	Method	GENSCAN
Start	121	End	498
GI	none	Score	.91
Exons	121..498		

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99212	Strand	
Start	638	End	3553
Name	OJ000117_06.0403.C23.o1.ts	Method	TBLASTX:Soybean
Start	638	End	3553
GI	none	Score	59
Exons	638..817, 823..1083, 829..903, 1162..1509, 1291..1587, 1372..1728, 1702..2028, 1792..2133, 1897..2238, 2002..2241, 2588..2872, 2629..2829, 2648..2977, 2756..3112, 2948..3289, 3062..3337, 3151..3339, 3156..3338, 3158..3505, 3187..3345, 3197..3505, 3263..3544, 3512..3553		

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99212	Strand	
Start	638	End	3553
Name	OJ000117_06.0403.C23.o1.tm	Method	TBLASTX:Maize
Start	823	End	3448
GI	none	Score	122
Exons	823..1140, 850..1248, 964..1359, 1087..1461, 1363..1431, 1375..1761, 1480..1881, 1606..1986, 1795..2196, 2588..2932, 2645..3028, 2845..3090, 2846..3247, 2846..3247, 2856..3254, 2856..3254, 2924..2998, 2951..3337, 3065..3448, 3238..3321, 3239..3322		

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99212	Strand	
Start	638	End	3553
Name	OJ000117_06.0403.C23.o1.tc	Method	TBLASTX:Cress
Start	826	End	3550
GI	none	Score	108
Exons	826..1131, 859..1071, 892..1245, 913..1164, 991..1341, 1101..1349, 1102..1470, 1147..1386, 1207..1569, 1279..1491, 1308..1526, 1309..1683, 1384..1551, 1402..1761, 1522..1890, 1585..1977, 1699..1911, 1726..2076, 1774..2004, 1819..2187, 1876..2121, 1926..2204, 1927..2244, 2014..2226, 2491..2568, 2588..2944, 2630..2857, 2825..3028, 2885..3259, 2930..3163, 2939..3337, 3065..3277, 3071..3451, 3140..3337, 3245..3448, 3380..3535, 3380..3544, 3380..3544, 3413..3550		

Seq. No.	46709	Seq. ID	OJ000117_06.0403.C23
Gene No.	99212	Strand	
Start	638	End	3553
Name	OJ000117_06.0403.C23.o2.tm	Method	TBLASTX:Maize
Start	2329	End	2578
GI	none	Score	314
Exons	2329..2577, 2332..2574, 2343..2576, 2471..2578		

Seq. No.	46710	Seq. ID	OJ000117_06.0403.C24
Gene No.	99213	Strand	+
Start	3120	End	3794
Name	OJ000117_06.0403.C24.o1.gs	Method	GENSCAN
Start	3120	End	3794
GI	none	Score	.77
Exons	3120..3794		

Seq. No.	46711	Seq. ID	OJ000117_06.0403.C25
Gene No.	99214	Strand	+
Start	76	End	1596
Name	OJ000117_06.0403.C25.o1.gs	Method	GENSCAN
Start	76	End	1596
GI	none	Score	.63
Exons	76..1596		

Seq. No.	46712	Seq. ID	OJ000117_06.0403.C26
Gene No.	99215	Strand	+
Start	1	End	494
Name	OJ000117_06.0403.C26.o1.np	Method	AAT/NAP
Start	1	End	494
GI	6453866	Score	183
Exons	1..64, 107..494		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46712	Seq. ID	OJ000117_06.0403.C26
Gene No.	99215	Strand	+
Start	1	End	494
Name	OJ000117_06.0403.C26.o1.tc	Method	TBLASTX:Cress
Start	133	End	423
GI	none	Score	202
Exons	133..288, 162..278, 318..416, 319..423		

Seq. No.	46712	Seq. ID	OJ000117_06.0403.C26
Gene No.	99215	Strand	+
Start	1	End	494
Name	OJ000117_06.0403.C26.o1.gs	Method	GENSCAN
Start	142	End	459
GI	none	Score	1
Exons	142..459		

Seq. No.	46712	Seq. ID	OJ000117_06.0403.C26
Gene No.	99215	Strand	+
Start	1	End	494
Name	OJ000117_06.0403.C26.o1.ts	Method	TBLASTX:Soybean
Start	142	End	423
GI	none	Score	193
Exons	142..282, 162..278, 319..363, 367..423		

Seq. No.	46712	Seq. ID	OJ000117_06.0403.C26
Gene No.	99215	Strand	+
Start	1	End	494
Name	OJ000117_06.0403.C26.o1.tm	Method	TBLASTX:Maize
Start	148	End	443
GI	none	Score	205
Exons	148..285, 162..284, 319..360, 319..369, 364..420, 375..443		

Seq. No.	46713	Seq. ID	OJ000117_06.0403.C27
Gene No.	99216	Strand	+
Start	3098	End	3533
Name	OJ000117_06.0403.C27.o2.gp	Method	AAT/GAP
Start	3098	End	3533
GI	none	Score	790
Exons	3098..3533		

Seq. No.	46713	Seq. ID	OJ000117_06.0403.C27
Gene No.	99217	Strand	-
Start	1967	End	2050
Name	OJ000117_06.0403.C27.o1.gp	Method	AAT/GAP
Start	1967	End	2050
GI	none	Score	135
Exons	1967..2050		

Seq. No.	46713	Seq. ID	OJ000117_06.0403.C27
Gene No.	99218	Strand	-
Start	3857	End	4437
Name	OJ000117_06.0403.C27.o1.tm	Method	TBLASTX:Maize
Start	3199	End	3951
GI	none	Score	156
Exons	3199..3288, 3200..3313, 3201..3323, 3273..3461, 3297..3482, 3302..3481, 3462..3536, 3484..3534, 3507..3545, 3650..3805, 3667..3822, 3686..3808, 3792..3830, 3849..3920, 3892..3951		

Seq. No.	46713	Seq. ID	OJ000117_06.0403.C27
Gene No.	99218	Strand	-
Start	3857	End	4437
Name	OJ000117_06.0403.C27.o3.gp	Method	AAT/GAP
Start	3857	End	4437
GI	none	Score	349
Exons	3857..3927, 4287..4437		

Seq. No.	46714	Seq. ID	OJ000117_06.0403.C28
Gene No.	99219	Strand	-
Start	1910	End	2748
Name	OJ000117_06.0403.C28.o1.gs	Method	GENSCAN
Start	1910	End	2748
GI	none	Score	.92
Exons	1910..2090, 2582..2748		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99220	Strand	+
Start	1623	End	1812
Name	OJ000117_06.0403.C29.o2.gp	Method	AAT/GAP
Start	1623	End	1812
GI	5667165	Score	334
Exons	1623..1812		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99221	Strand	-
Start	1	End	465
Name	OJ000117_06.0403.C29.o1.gp	Method	AAT/GAP

Start	1	End	465
GI	38782_1.R1084	Score	795
Exons	1..465		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o1.gs	Method	GENSCAN
Start	3082	End	4482
GI	none	Score	.48
Exons	3082..4482		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o1.np	Method	AAT/NAP
Start	3085	End	4674
GI	6983859	Score	2302
Exons	3085..4674		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o3.tw	Method	TBLASTX:Wheat
Start	3097	End	3430
GI	none	Score	107
Exons	3097..3429, 3118..3267, 3161..3430		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o3.tm	Method	TBLASTX:Maize
Start	3112	End	3273
GI	none	Score	57
Exons	3112..3270, 3114..3197, 3115..3273		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o1.tm	Method	TBLASTX:Maize
Start	3280	End	3877
GI	none	Score	69
Exons	3280..3375, 3280..3717, 3290..3475, 3533..3715, 3715..3873, 3722..3868, 3724..3876, 3725..3877		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o1.tw	Method	TBLASTX:Wheat
Start	3430	End	4056
GI	none	Score	130
Exons	3430..4056, 3481..3951, 3536..3961		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o2.tm	Method	TBLASTX:Maize
Start	3925	End	4217
GI	none	Score	125
Exons	3925..4215, 3928..4143, 4025..4204, 4083..4217		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o1.ts	Method	TBLASTX:Soybean
Start	4015	End	4270
GI	none	Score	62
Exons	4015..4143, 4015..4263, 4025..4270		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o1.tc	Method	TBLASTX:Cress
Start	4039	End	4356
GI	none	Score	101
Exons	4039..4182, 4055..4180, 4183..4335, 4183..4356		

Seq. No.	46715	Seq. ID	OJ000117_06.0403.C29
Gene No.	99222	Strand	-
Start	3082	End	4674
Name	OJ000117_06.0403.C29.o2.tw	Method	TBLASTX:Wheat
Start	4063	End	4482
GI	none	Score	254
Exons	4063..4482, 4067..4435		

Seq. No.	46716	Seq. ID	OJ000117_06.0403.C31
Gene No.	99223	Strand	+
Start	86	End	139
Name	OJ000117_06.0403.C31.o1.gs	Method	GENSCAN
Start	86	End	139
GI	none	Score	.64
Exons	86..139		

Seq. No.	46716	Seq. ID	OJ000117_06.0403.C31
Gene No.	99224	Strand	-
Start	1052	End	3037
Name	OJ000117_06.0403.C31.o2.gs	Method	GENSCAN
Start	1052	End	3037
GI	none	Score	.79
Exons	1052..1099, 2913..3037		

Seq. No.	46717	Seq. ID	OJ000117_06.0403.C32
Gene No.	99225	Strand	-
Start	1	End	1132
Name	OJ000117_06.0403.C32.o1.np	Method	AAT/NAP
Start	1	End	1132
GI	4587568	Score	914
Exons	1..1132		
GI Descrip.	(AC006550) Contains PF|00637 Clathrin 7-fold repeat. EST gb|AA721862 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	46717	Seq. ID	OJ000117_06.0403.C32
Gene No.	99225	Strand	-
Start	1	End	1132
Name	OJ000117_06.0403.C32.o1.ts	Method	TBLASTX:Soybean
Start	262	End	520
GI	none	Score	208
Exons	262..519, 284..520		

Seq. No.	46718	Seq. ID	OJ000117_06.0403.C33
Gene No.	99226	Strand	+
Start	965	End	1326
Name	OJ000117_06.0403.C33.o1.gp	Method	AAT/GAP
Start	965	End	1326
GI	none	Score	666
Exons	965..1326		

Seq. No.	46718	Seq. ID	OJ000117_06.0403.C33
Gene No.	99227	Strand	-
Start	1331	End	2480
Name	OJ000117_06.0403.C33.o1.np	Method	AAT/NAP
Start	534	End	2072
GI	7485541	Score	81
Exons	534..605, 1310..1406, 1963..2072		
GI Descrip.	hypothetical protein F16B22.16 - Arabidopsis thaliana gi|3341687|gb|AAC27469.1| (AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	46718	Seq. ID	OJ000117_06.0403.C33
Gene No.	99227	Strand	-
Start	1331	End	2480
Name	OJ000117_06.0403.C33.o2.np	Method	AAT/NAP
Start	1307	End	2480
GI	4874307	Score	122
Exons	1307..1399, 1959..2204, 2462..2480		
GI Descrip.	(AC006053) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46718	Seq. ID	OJ000117_06.0403.C33
Gene No.	99227	Strand	-
Start	1331	End	2480
Name	OJ000117_06.0403.C33.o1.gs	Method	GENSCAN
Start	1331	End	2436
GI	none	Score	.99
Exons	1331..1406, 1963..2436		

Seq. No.	46719	Seq. ID	OJ000117_06.0403.C34
Gene No.	99228	Strand	-
Start	1	End	353
Name	OJ000117_06.0403.C34.o1.gp	Method	AAT/GAP
Start	1	End	353
GI	5005030	Score	429
Exons	1..141, 264..353		

Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99229	Strand	-
Start	9524	End	12431
Name	OJ000307_05.0403.C1.o3.ts	Method	TBLASTX:Soybean

Start	3372	End	8501
GI	none	Score	52
Exons	3372..3440, 3431..3706, 3546..3707, 8220..8501		

Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99229	Strand	-
Start	9524	End	12431
Name	OJ000307_05.0403.C1.o5.tm	Method	TBLASTX:Maize
Start	3918	End	9038
GI	none	Score	61
Exons	3918..4001, 4013..4162, 4041..4154, 4134..4208, 4245..4289, 8760..8897, 8802..8843, 8913..9038		

Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99229	Strand	-
Start	9524	End	12431
Name	OJ000307_05.0403.C1.o1.gp	Method	AAT/GAP
Start	9524	End	12431
GI	4671_1.R1084	Score	1414
Exons	9524..9685, 9780..9897, 9988..10066, 10924..11125, 11223..11258, 12195..12431		
GI Descrip.	'4544428/gb|AAD22337.1|AC006955_23 7.0e-33 (AC006955) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99229	Strand	-
Start	9524	End	12431
Name	OJ000307_05.0403.C1.o3.tm	Method	TBLASTX:Maize
Start	9785	End	10071
GI	none	Score	164
Exons	9785..9895, 9786..9896, 9788..9895, 9789..9896, 9950..10066, 9988..10071, 9989..10066		

Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99229	Strand	-
Start	9524	End	12431
Name	OJ000307_05.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	9815	End	11264
GI	none	Score	65
Exons	9815..9892, 9992..10057, 10921..10968, 10922..10972, 10978..11130, 10982..11122, 11208..11264		

Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99229	Strand	-
Start	9524	End	12431
Name	OJ000307_05.0403.C1.o1.ts	Method	TBLASTX:Soybean
Start	9824	End	11264
GI	none	Score	81
Exons	9824..9895, 9827..9901, 9989..10069, 10918..11130, 10922..11122, 10924..11124, 11220..11264, 11222..11260		

Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99229	Strand	-
Start	9524	End	12431
Name	OJ000307_05.0403.C1.o2.tm	Method	TBLASTX:Maize
Start	10877	End	11264
GI	none	Score	48

Exons	10877..10915, 10878..10913, 10919..11167, 10921..11169, 10921..11184, 10922..11170, 11016..11219, 11175..11261, 11193..11264		
Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99230	Strand	
Start	18715	End	19545
Name	OJ000307_05.0403.C1.o4.tm	Method	TBLASTX:Maize
Start	18715	End	19545
GI	none	Score	131
Exons	18715..18858, 18910..19152, 19239..19298, 19447..19545		
Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99231	Strand	
Start	19533	End	20070
Name	OJ000307_05.0403.C1.o1.tw	Method	TBLASTX:Wheat
Start	19533	End	20016
GI	none	Score	393
Exons	19533..20012, 19534..20016		
Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99231	Strand	
Start	19533	End	20070
Name	OJ000307_05.0403.C1.o2.ts	Method	TBLASTX:Soybean
Start	19570	End	19884
GI	none	Score	202
Exons	19570..19884		
Seq. No.	46720	Seq. ID	OJ000307_05.0403.C1
Gene No.	99231	Strand	
Start	19533	End	20070
Name	OJ000307_05.0403.C1.o1.tm	Method	TBLASTX:Maize
Start	19596	End	20070
GI	none	Score	599
Exons	19596..20069, 19597..20070		
Seq. No.	46721	Seq. ID	OJ000307_05.0403.C2
Gene No.	99232	Strand	
Start	89	End	493
Name	OJ000307_05.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	89	End	493
GI	none	Score	336
Exons	89..493, 103..207, 275..493		
Seq. No.	46721	Seq. ID	OJ000307_05.0403.C2
Gene No.	99233	Strand	
Start	1377	End	1643
Name	OJ000307_05.0403.C2.o1.tw	Method	TBLASTX:Wheat
Start	1377	End	1643
GI	none	Score	120
Exons	1377..1643, 1378..1635		
Seq. No.	46721	Seq. ID	OJ000307_05.0403.C2
Gene No.	99233	Strand	
Start	1377	End	1643
Name	OJ000307_05.0403.C2.o2.tm	Method	TBLASTX:Maize
Start	1377	End	1643

GI	none	Score	90
Exons	1377..1643, 1378..1635		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99234	Strand	+
Start	7186	End	8199
Name	OJ000307_05.0403.C4.o1.gp	Method	AAT/GAP
Start	7186	End	8199
GI	LIB3431-047-P1-N1-D8	Score	805
Exons	7186..7216, 7427..7525, 7616..7714, 7982..8199		
GI Descrip.	'5911312/gb|AAD55746.1|AF026167_1 1.0e-46 (AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]'		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99235	Strand	+
Start	8796	End	9226
Name	OJ000307_05.0403.C4.o2.gp	Method	AAT/GAP
Start	8796	End	9226
GI	39248_1.R1084	Score	819
Exons	8796..9226		
GI Descrip.	'4512325/dbj|BAA75230.1| 2.0e-20 (AB023619) methyltransferase related protein [Mus musculus]'		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	3026	End	3361
GI	none	Score	135
Exons	3026..3205, 3027..3203, 3132..3224, 3303..3353, 3305..3361		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o2.tc	Method	TBLASTX:Cress
Start	7424	End	8068
GI	none	Score	141
Exons	7424..7525, 7426..7485, 7445..7528, 7613..7714, 7615..7716, 7616..7714, 7621..7716, 7979..8068, 7981..8067		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	8945	End	9877
GI	none	Score	96
Exons	8945..9058, 8945..9187, 8958..9416, 8959..9411, 8967..9416, 9800..9877, 9809..9862		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o1.tc	Method	TBLASTX:Cress
Start	8967	End	9252
GI	none	Score	150
Exons	8967..9251, 8970..9251, 8971..9252		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o2.ts	Method	TBLASTX:Soybean
Start	9285	End	10081
GI	none	Score	89
Exons	9285..9389, 9295..9390, 9390..9416, 9809..9916, 9810..9866, 9957..10079, 9959..10081		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o3.tc	Method	TBLASTX:Cress
Start	9315	End	10081
GI	none	Score	68
Exons	9315..9377, 9366..9416, 9809..9922, 9810..9866, 9965..10081, 9984..10079		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o3.gp	Method	AAT/GAP
Start	9877	End	10364
GI	uC-osflcyp174b05b1	Score	976
Exons	9877..10364		
GI Descrip.	'2131358/pir||S67760 2.0e-11 hypothetical protein YDL201w - yeast (Saccharomyces cerevisiae) >gi_1429356_emb_CAA67468_ (X99000) ORF D1075 [Saccharomyces cerevisiae] >gi_1431332_emb_CAA98779_ (Z74249) ORF YDL201w [Saccharomyces cerevisiae]'		

Seq. No.	46722	Seq. ID	OJ000307_05.0403.C4
Gene No.	99236	Strand	-
Start	9877	End	10364
Name	OJ000307_05.0403.C4.o2.tm	Method	TBLASTX:Maize
Start	9878	End	10084
GI	none	Score	248
Exons	9878..10084, 9879..10079		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99237	Strand	
Start	6628	End	9795
Name	OJ000307_05.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	6628	End	8580
GI	none	Score	42
Exons	6628..6663, 6629..6655, 6735..6836, 6762..6848, 6819..6881, 8201..8302, 8209..8298, 8213..8302, 8380..8580, 8382..8555		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99237	Strand	
Start	6628	End	9795
Name	OJ000307_05.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	6735	End	8580
GI	none	Score	110
Exons	6735..6836, 8209..8301, 8210..8311, 8380..8580, 8385..8528		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5

Gene No.	99237	Strand	
Start	6628	End	9795
Name	OJ000307_05.0403.C5.o4.tm	Method	TBLASTX:Maize
Start	8397	End	9795
GI	none	Score	214
Exons	8397..8579, 8404..8616, 8404..8583, 9649..9726, 9650..9736, 9654..9743, 9656..9703, 9775..9795		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99238	Strand	
Start	10935	End	11476
Name	OJ000307_05.0403.C5.o2.tm	Method	TBLASTX:Maize
Start	10935	End	11476
GI	none	Score	252
Exons	10935..11087, 11141..11476		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99238	Strand	
Start	10935	End	11476
Name	OJ000307_05.0403.C5.o2.tw	Method	TBLASTX:Wheat
Start	11025	End	11371
GI	none	Score	171
Exons	11025..11072, 11183..11371		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99239	Strand	
Start	11717	End	12409
Name	OJ000307_05.0403.C5.o3.tm	Method	TBLASTX:Maize
Start	11717	End	11942
GI	none	Score	116
Exons	11717..11941, 11718..11942		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99239	Strand	
Start	11717	End	12409
Name	OJ000307_05.0403.C5.o2.ts	Method	TBLASTX:Soybean
Start	11795	End	12334
GI	none	Score	161
Exons	11795..11923, 11954..11977, 11984..12334		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99239	Strand	
Start	11717	End	12409
Name	OJ000307_05.0403.C5.o1.tw	Method	TBLASTX:Wheat
Start	11873	End	12313
GI	none	Score	58
Exons	11873..12031, 11877..11966, 12011..12313, 12021..12311		

Seq. No.	46723	Seq. ID	OJ000307_05.0403.C5
Gene No.	99239	Strand	
Start	11717	End	12409
Name	OJ000307_05.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	11954	End	12409
GI	none	Score	83
Exons	11954..12409, 12021..12224, 12267..12407		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8

Gene No.	99240	Strand	+
Start	4377	End	4666
Name	OJ000307_05.0403.C8.o1.gp	Method	AAT/GAP
Start	4377	End	4666
GI	uC-osroM202005h10b1	Score	547
Exons	4377..4666		
GI Descrip.	'5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]'		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8
Gene No.	99241	Strand	+
Start	15042	End	15685
Name	OJ000307_05.0403.C8.o3.tm	Method	TBLASTX:Maize
Start	4314	End	4826
GI	none	Score	108
Exons	4314..4358, 4315..4383, 4462..4575, 4464..4574, 4623..4826, 4685..4825, 4752..4826		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8
Gene No.	99241	Strand	+
Start	15042	End	15685
Name	OJ000307_05.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	5601	End	5986
GI	none	Score	90
Exons	5601..5663, 5601..5666, 5603..5665, 5603..5671, 5697..5909, 5704..5982, 5705..5986		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8
Gene No.	99241	Strand	+
Start	15042	End	15685
Name	OJ000307_05.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	12537	End	15437
GI	none	Score	74
Exons	12537..12590, 12538..12591, 12570..12671, 12577..12672, 12603..12683, 12613..12681, 12927..13073, 12941..13066, 12942..13067, 12943..13068, 13139..13222, 13140..13214, 13156..13215, 13314..13430, 13315..13431, 13511..13618, 13512..13622, 14470..14529, 14974..15063, 14975..15070, 14976..15065, 15151..15267, 15151..15282, 15332..15436, 15333..15437		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8
Gene No.	99241	Strand	+
Start	15042	End	15685
Name	OJ000307_05.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	12544	End	15644
GI	none	Score	108
Exons	12544..12672, 12942..13067, 12943..13068, 12953..13069, 13133..13216, 13171..13218, 13311..13430, 13315..13431, 13506..13619, 13508..13636, 13509..13622, 14971..15042, 14975..15052, 15151..15267, 15159..15257, 15332..15481, 15333..15482, 15573..15644, 15578..15631		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8
Gene No.	99241	Strand	+
Start	15042	End	15685
Name	OJ000307_05.0403.C8.o1.ts	Method	TBLASTX:Soybean

Start	12595	End	13431
GI	none	Score	115
Exons	12595..12672, 12603..12689, 12927..13067, 12943..13068, 12946..13071, 12953..13075, 13133..13213, 13308..13409, 13315..13431		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8
Gene No.	99241	Strand	+
Start	15042	End	15685
Name	OJ000307_05.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	14975	End	15261
GI	none	Score	128
Exons	14975..15055, 14975..15046, 14977..15051, 15151..15261, 15159..15257		

Seq. No.	46724	Seq. ID	OJ000307_05.0403.C8
Gene No.	99241	Strand	+
Start	15042	End	15685
Name	OJ000307_05.0403.C8.o2.gp	Method	AAT/GAP
Start	15042	End	15685
GI	LIB3434-010-P1-K1-F1	Score	520
Exons	15042..15064, 15149..15256, 15334..15482, 15576..15685		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		

Seq. No.	46725	Seq. ID	OJ000307_05.0403.C9
Gene No.	99242	Strand	+
Start	59	End	120
Name	OJ000307_05.0403.C9.o1.gp	Method	AAT/GAP
Start	59	End	120
GI	LIB3434-010-P1-K1-F1	Score	93
Exons	59..120		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		

Seq. No.	46725	Seq. ID	OJ000307_05.0403.C9
Gene No.	99243	Strand	-
Start	624	End	880
Name	OJ000307_05.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	50	End	372
GI	none	Score	193
Exons	50..169, 51..353, 52..372, 229..363		

Seq. No.	46725	Seq. ID	OJ000307_05.0403.C9
Gene No.	99243	Strand	-
Start	624	End	880
Name	OJ000307_05.0403.C9.o2.gp	Method	AAT/GAP
Start	624	End	880
GI	969000	Score	401
Exons	624..880		

Seq. No.	46725	Seq. ID	OJ000307_05.0403.C9
Gene No.	99244	Strand	
Start	2153	End	3070
Name	OJ000307_05.0403.C9.o1.tc	Method	TBLASTX:Cress
Start	2153	End	3061
GI	none	Score	160

Exons	2153..2326, 2182..2298, 2342..2710, 2344..2496, 2732..2785, 2819..3061		
Seq. No.	46725	Seq. ID	OJ000307_05.0403.C9
Gene No.	99244	Strand	
Start	2153	End	3070
Name	OJ000307_05.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	2153	End	3049
GI	none	Score	188
Exons	2153..2380, 2182..2379, 2429..2710, 2608..2694, 2732..2779, 2798..3049		
Seq. No.	46725	Seq. ID	OJ000307_05.0403.C9
Gene No.	99244	Strand	
Start	2153	End	3070
Name	OJ000307_05.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	2159	End	2710
GI	none	Score	383
Exons	2159..2710, 2182..2496, 2363..2509, 2572..2694		
Seq. No.	46725	Seq. ID	OJ000307_05.0403.C9
Gene No.	99244	Strand	
Start	2153	End	3070
Name	OJ000307_05.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	2242	End	3070
GI	none	Score	355
Exons	2242..2496, 2243..2584, 2312..2527, 2486..2710, 2554..2703, 2731..2862, 2732..3070, 2870..2986, 2926..3069		
Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99245	Strand	+
Start	4211	End	4477
Name	OJ000307_05.0403.C12.o1.gp	Method	AAT/GAP
Start	4211	End	4477
GI	none	Score	504
Exons	4211..4477		
Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99246	Strand	-
Start	4855	End	5363
Name	OJ000307_05.0403.C12.o2.gp	Method	AAT/GAP
Start	4855	End	5363
GI	uC-osflcyp032h03b1	Score	932
Exons	4855..5363		
GI Descrip.	'283442/pir||A40215 5.0e-09 TcD antigen - Trypanosoma cruzi'		
Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o4.tm	Method	TBLASTX:Maize
Start	4592	End	6859
GI	none	Score	86
Exons	4592..4759, 4637..4861, 4681..4857, 4681..4803, 4688..4921, 4711..4923, 4721..4981, 4745..4780, 4754..4981, 4781..5041, 4783..5037, 4822..4866, 4844..5101, 4858..5061, 4898..5071, 4912..5076, 4918..5016, 4961..5182, 4964..5182, 4984..5019, 5024..5251, 5084..5335, 5098..5241, 5099..5242, 5106..5240,		

5122..5241, 6360..6533, 6635..6859

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	5442	End	6310
GI	none	Score	40
Exons	5442..5498, 5459..5626, 5464..5565, 5506..5616, 5534..5857, 5546..5593, 5567..5902, 5640..5807, 5657..5896, 5971..5991, 6029..6085, 6064..6129, 6094..6186, 6104..6190, 6197..6310, 6202..6309		

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o2.ts	Method	TBLASTX:Soybean
Start	7853	End	10151
GI	none	Score	96
Exons	7853..8056, 7902..8087, 7916..8080, 8682..8765, 8685..8750, 8686..8766, 9065..9187, 9066..9188, 9095..9178, 10016..10150, 10023..10151, 10037..10147		

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o2.tc	Method	TBLASTX:Cress
Start	7884	End	10151
GI	none	Score	92
Exons	7884..8087, 7889..8086, 7904..8056, 8682..8765, 8685..8750, 8689..8766, 9065..9178, 9080..9187, 9081..9188, 10016..10150, 10022..10147, 10023..10151		

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o2.tm	Method	TBLASTX:Maize
Start	7931	End	10151
GI	none	Score	139
Exons	7931..8068, 7976..8080, 7977..8078, 8666..8764, 8682..8774, 8685..8774, 8685..8777, 8689..8775, 8912..8947, 9062..9187, 9063..9182, 9082..9183, 10019..10150, 10020..10151, 10022..10141, 10038..10142		

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o3.tm	Method	TBLASTX:Maize
Start	15171	End	16094
GI	none	Score	77
Exons	15171..15269, 15178..15267, 15641..15811, 15654..15776, 15978..16094		

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o1.tc	Method	TBLASTX:Cress

Start	15566	End	15820
GI	none	Score	78
Exons	15566..15820, 15639..15776		

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o1.ts	Method	TBLASTX:Soybean
Start	15599	End	15811
GI	none	Score	92
Exons	15599..15811, 15636..15782		

Seq. No.	46726	Seq. ID	OJ000307_05.0403.C12
Gene No.	99247	Strand	-
Start	15670	End	16403
Name	OJ000307_05.0403.C12.o3.gp	Method	AAT/GAP
Start	15670	End	16403
GI	4880017	Score	696
Exons	15670..15841, 15990..16082, 16246..16403		
GI Descrip.	5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	46727	Seq. ID	OJ000307_05.0403.C13
Gene No.	99248	Strand	+
Start	835	End	1024
Name	OJ000307_05.0403.C13.o1.gp	Method	AAT/GAP
Start	835	End	1024
GI	none	Score	359
Exons	835..1024		

Seq. No.	46728	Seq. ID	OJ000307_01.0405.C7
Gene No.	99249	Strand	-
Start	1212	End	1467
Name	OJ000307_01.0405.C7.o1.tm	Method	TBLASTX:Maize
Start	761	End	1369
GI	none	Score	101
Exons	761..865, 761..859, 1170..1361, 1171..1365, 1181..1369, 1232..1369		

Seq. No.	46728	Seq. ID	OJ000307_01.0405.C7
Gene No.	99249	Strand	-
Start	1212	End	1467
Name	OJ000307_01.0405.C7.o1.gp	Method	AAT/GAP
Start	1212	End	1467
GI	3107663	Score	512
Exons	1212..1467		

Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99250	Strand	+
Start	2993	End	6414
Name	OJ000307_01.0405.C10.o1.gp	Method	AAT/GAP
Start	2993	End	6414
GI	277_1_R1084	Score	5469
Exons	2993..3276, 3355..3647, 3762..3999, 4385..6414		
GI Descrip.	'126401/sp|P29250|LOX2_ORYSA 0.0e+00 LIPOXYGENASE L-2 >gi_100690_pir__S23454 lipoxygenase (EC 1.13.11.12) L-2 - rice >gi_20267_emb_CAA45738_ (X64396) lipoxygenase [Oryza sativa]'		

Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o2.ts	Method	TBLASTX:Soybean
Start	1241	End	1584
GI	none	Score	62
Exons	1241..1300, 1314..1481, 1492..1584		

Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o1.ts	Method	TBLASTX:Soybean
Start	3099	End	6219
GI	none	Score	76
Exons	3099..3239, 3366..3467, 3368..3469, 3467..3592, 3471..3644, 3762..3836, 3837..3917, 3924..3944, 4423..4539, 4423..4521, 4531..4608, 4641..4886, 4642..4872, 4891..4986, 5008..5097, 5055..5123, 5163..5903, 5164..6219, 5979..6218		

Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o1.tc	Method	TBLASTX:Cress
Start	3102	End	6279
GI	none	Score	136
Exons	3102..3272, 3104..3271, 3341..3472, 3342..3473, 3479..3607, 3480..3644, 3762..3833, 3843..3908, 3918..3944, 4420..4989, 4420..4515, 4422..4562, 4689..4973, 5008..5097, 5175..5213, 5176..5463, 5229..5459, 5388..6212, 5443..6213, 6205..6279		

Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o2.tm	Method	TBLASTX:Maize
Start	3123	End	3461
GI	none	Score	215
Exons	3123..3272, 3125..3280, 3342..3461, 3350..3460		

Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o1.tm	Method	TBLASTX:Maize
Start	3471	End	6278
GI	none	Score	55
Exons	3471..3548, 3570..3635, 3627..3650, 3783..3842, 3831..3911, 4384..4452, 4702..4992, 4702..4914, 4704..5000, 5005..5043, 5050..5130, 5055..5123, 5122..5394, 5191..5298, 5241..5393, 5394..5897, 5395..5898, 5914..6057, 6024..6044, 6046..6207, 6046..6204, 6195..6278		

Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o1.tw	Method	TBLASTX:Wheat
Start	4555	End	4959
GI	none	Score	559

Exons	4555..4959, 4623..4955		
Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o4.tm	Method	TBLASTX:Maize
Start	4558	End	4701
GI	none	Score	217
Exons	4558..4701, 4614..4700		
Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o2.tw	Method	TBLASTX:Wheat
Start	4981	End	5478
GI	none	Score	143
Exons	4981..5091, 4981..5091, 5163..5477, 5164..5478, 5356..5478		
Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o3.tw	Method	TBLASTX:Wheat
Start	5662	End	5931
GI	none	Score	416
Exons	5662..5718, 5664..5903, 5665..5931		
Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o3.tm	Method	TBLASTX:Maize
Start	6967	End	7328
GI	none	Score	35
Exons	6967..6993, 7014..7187, 7100..7183, 7163..7327, 7164..7328		
Seq. No.	46729	Seq. ID	OJ000307_01.0405.C10
Gene No.	99251	Strand	+
Start	7054	End	7491
Name	OJ000307_01.0405.C10.o2.gp	Method	AAT/GAP
Start	7054	End	7491
GI	28902_1.R1084	Score	797
Exons	7054..7491		
GI Descrip.	'2739374 2.0e-27 (AC002505) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99252	Strand	+
Start	1	End	165
Name	OJ000307_01.0405.C11.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	uC-osflm202113f01b1	Score	298
Exons	1..165		
GI Descrip.	'2739374 1.0e-58 (AC002505) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99253	Strand	-
Start	782	End	1192

Name	OJ000307_01.0405.C11.o2.tc	Method	TBLASTX:Cress
Start	1	End	340
GI	none	Score	63
Exons	1..36, 2..46, 50..289, 121..210, 278..340		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99253	Strand	-
Start	782	End	1192
Name	OJ000307_01.0405.C11.o2.tw	Method	TBLASTX:Wheat
Start	169	End	373
GI	none	Score	245
Exons	169..345, 176..346, 179..373		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99253	Strand	-
Start	782	End	1192
Name	OJ000307_01.0405.C11.o2.gp	Method	AAT/GAP
Start	782	End	1192
GI	none	Score	815
Exons	782..1192		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99254	Strand	
Start	5406	End	6124
Name	OJ000307_01.0405.C11.o2.ts	Method	TBLASTX:Soybean
Start	5406	End	6124
GI	none	Score	110
Exons	5406..5474, 5407..5475, 5600..5671, 5614..5673, 5828..6124, 5842..5961		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99254	Strand	
Start	5406	End	6124
Name	OJ000307_01.0405.C11.o2.tm	Method	TBLASTX:Maize
Start	5815	End	6124
GI	none	Score	277
Exons	5815..5961, 5828..6124		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99254	Strand	
Start	5406	End	6124
Name	OJ000307_01.0405.C11.o4.tw	Method	TBLASTX:Wheat
Start	5818	End	6109
GI	none	Score	177
Exons	5818..5961, 5846..6109		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99254	Strand	
Start	5406	End	6124
Name	OJ000307_01.0405.C11.o3.tc	Method	TBLASTX:Cress
Start	5822	End	6124
GI	none	Score	254
Exons	5822..6124, 5845..5961		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99255	Strand	
Start	6154	End	7487

Name	OJ000307_01.0405.C11.o1.ts	Method	TBLASTX:Soybean
Start	6154	End	7487
GI	none	Score	48
Exons	6154..6228, 6155..6196, 6239..6289, 6329..6472, 6337..6465, 6486..6614, 6725..6997, 6726..7085, 7205..7303, 7206..7331, 7413..7487, 7418..7471		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99255	Strand	
Start	6154	End	7487
Name	OJ000307_01.0405.C11.o1.tw	Method	TBLASTX:Wheat
Start	6223	End	6572
GI	none	Score	277
Exons	6223..6465, 6236..6472, 6390..6467, 6473..6547, 6486..6572, 6503..6559, 6522..6572		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99255	Strand	
Start	6154	End	7487
Name	OJ000307_01.0405.C11.o1.tm	Method	TBLASTX:Maize
Start	6585	End	7322
GI	none	Score	49
Exons	6585..6635, 6705..7076, 6737..6997, 7182..7322, 7202..7321		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99255	Strand	
Start	6154	End	7487
Name	OJ000307_01.0405.C11.o1.tc	Method	TBLASTX:Cress
Start	6717	End	7067
GI	none	Score	302
Exons	6717..7067, 6728..6988		

Seq. No.	46730	Seq. ID	OJ000307_01.0405.C11
Gene No.	99255	Strand	
Start	6154	End	7487
Name	OJ000307_01.0405.C11.o3.tw	Method	TBLASTX:Wheat
Start	6720	End	6974
GI	none	Score	221
Exons	6720..6974, 6851..6967		

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99256	Strand	+
Start	1	End	361
Name	OJ000307_01.0405.C16.o1.gp	Method	AAT/GAP
Start	1	End	361
GI	2311735	Score	635
Exons	1..361		

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99257	Strand	+
Start	2117	End	5868
Name	OJ000307_01.0405.C16.o1.tm	Method	TBLASTX:Maize
Start	2109	End	5839
GI	none	Score	53
Exons	2109..2189, 2165..2188, 2191..2259, 2209..2259, 2370..2414, 2376..2408, 2377..2415, 2532..2618, 2603..2617, 2708..2836, 2708..2809, 2710..2832, 2973..3047, 2974..3048, 2976..3047,		

2978..3049, 3526..3651, 3527..3652, 3527..3652, 3863..3988, 3871..3975, 3887..4006, 4209..4328, 4210..4326, 4230..4328, 4406..4609, 4406..4606, 4728..4805, 4729..4833, 4730..4834, 4925..4993, 4927..4992, 5198..5278, 5198..5278, 5200..5280, 5200..5283, 5513..5650, 5535..5648, 5536..5649, 5536..5652, 5733..5771, 5733..5837, 5734..5817, 5804..5839

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99257	Strand	+
Start	2117	End	5868
Name	OJ000307_01.0405.C16.o2.gp	Method	AAT/GAP
Start	2117	End	5868
GI	1128_1.R1084	Score	2597
Exons	2117..2259, 2377..2415, 2532..2618, 2711..2832, 2973..3049, 3528..3652, 3890..3982, 4233..4325, 4409..4606, 4730..4834, 4928..4993, 5201..5278, 5537..5648, 5734..5868		
GI Descrip.	'1707998/sp|P50433|GLYM_SOLTU 0.0e+00 SERINE HYDROXYMETHYLTRANSFERASE, MITOCHONDRIAL PRECURSOR (SERINE METHYLASE) (GLYCINE HYDROXYMETHYLTRANSFERASE) (SHMT) >gi_481944_pir__S40218 glycine hydroxymethyltransferase (EC 2.1.2.1) - potato >gi_438247_emb_CAA81082_ (Z25863) glycine hydroxymethyltransferase [Solanum tuberosum]'		

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99257	Strand	+
Start	2117	End	5868
Name	OJ000307_01.0405.C16.o1.ts	Method	TBLASTX:Soybean
Start	2532	End	5834
GI	none	Score	142
Exons	2532..2618, 2708..2836, 2710..2835, 2973..3047, 2974..3048, 3525..3644, 3526..3645, 3527..3652, 3527..3652, 3871..3960, 3887..4006, 3887..4006, 4230..4328, 4232..4288, 4402..4608, 4406..4609, 4406..4609, 4408..4611, 4527..4616, 4728..4787, 4729..4833, 4730..4834, 4925..4993, 4927..4992, 5198..5278, 5203..5316, 5513..5650, 5536..5652, 5537..5650, 5732..5761, 5733..5771, 5790..5834		

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99257	Strand	+
Start	2117	End	5868
Name	OJ000307_01.0405.C16.o2.tc	Method	TBLASTX:Cress
Start	2532	End	2836
GI	none	Score	160
Exons	2532..2618, 2708..2836, 2710..2835		

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99257	Strand	+
Start	2117	End	5868
Name	OJ000307_01.0405.C16.o3.tc	Method	TBLASTX:Cress
Start	3010	End	4006
GI	none	Score	66
Exons	3010..3048, 3526..3645, 3527..3652, 3527..3652, 3863..3988, 3871..3966, 3882..4001, 3887..4006		

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99257	Strand	+
Start	2117	End	5868

Name	OJ000307_01.0405.C16.o1.tc	Method	TBLASTX:Cress
Start	4239	End	5771
GI	none	Score	120
Exons	4239..4328, 4249..4326, 4250..4327, 4406..4609, 4408..4608, 4527..4616, 4728..4793, 4729..4824, 4729..4833, 4730..4846, 4925..4993, 4925..5026, 5198..5278, 5200..5337, 5206..5280, 5510..5650, 5536..5652, 5732..5758, 5733..5771		

Seq. No.	46731	Seq. ID	OJ000307_01.0405.C16
Gene No.	99257	Strand	+
Start	2117	End	5868
Name	OJ000307_01.0405.C16.o1.tw	Method	TBLASTX:Wheat
Start	4545	End	4989
GI	none	Score	44
Exons	4545..4565, 4546..4575, 4565..4609, 4570..4623, 4728..4802, 4729..4833, 4730..4834, 4926..4988, 4927..4989		

Seq. No.	46732	Seq. ID	OJ000307_01.0405.C18
Gene No.	99258	Strand	-
Start	126	End	2000
Name	OJ000307_01.0405.C18.o1.tm	Method	TBLASTX:Maize
Start	29	End	2000
GI	none	Score	74
Exons	29..109, 29..184, 34..153, 92..307, 147..308, 154..309, 177..308, 217..309, 379..576, 389..595, 390..578, 392..580, 1875..2000, 1890..1991		

Seq. No.	46732	Seq. ID	OJ000307_01.0405.C18
Gene No.	99258	Strand	-
Start	126	End	2000
Name	OJ000307_01.0405.C18.o1.ts	Method	TBLASTX:Soybean
Start	83	End	1994
GI	none	Score	61
Exons	83..169, 161..307, 198..308, 220..309, 389..589, 390..500, 407..589, 1944..1994		

Seq. No.	46732	Seq. ID	OJ000307_01.0405.C18
Gene No.	99258	Strand	-
Start	126	End	2000
Name	OJ000307_01.0405.C18.o1.gp	Method	AAT/GAP
Start	126	End	1974
GI	none	Score	857
Exons	126..307, 392..592, 1875..1974		

Seq. No.	46733	Seq. ID	OJ000307_01.0405.C19
Gene No.	99259	Strand	
Start	196	End	669
Name	OJ000307_01.0405.C19.o1.tm	Method	TBLASTX:Maize
Start	196	End	630
GI	none	Score	262
Exons	196..447, 196..435, 203..466, 207..464, 504..614, 515..625, 518..625, 520..630, 520..627		

Seq. No.	46733	Seq. ID	OJ000307_01.0405.C19
Gene No.	99259	Strand	
Start	196	End	669
Name	OJ000307_01.0405.C19.o1.ts	Method	TBLASTX:Soybean

Start	380	End	669
GI	none	Score	75
Exons	380..466, 381..464, 541..669, 542..625		

Seq. No.	46734	Seq. ID	OJ000307_01.0405.C22
Gene No.	99260	Strand	-
Start	3291	End	3400
Name	OJ000307_01.0405.C22.o1.tm	Method	TBLASTX:Maize
Start	3290	End	3400
GI	none	Score	150
Exons	3290..3400, 3295..3399, 3296..3400		

Seq. No.	46734	Seq. ID	OJ000307_01.0405.C22
Gene No.	99260	Strand	-
Start	3291	End	3400
Name	OJ000307_01.0405.C22.o1.gp	Method	AAT/GAP
Start	3291	End	3399
GI	184_1.R1084	Score	164
Exons	3291..3399		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	
Start	4038	End	5762
Name	OJ000307_01.0405.C25.o1.tw	Method	TBLASTX:Wheat
Start	4038	End	4406
GI	none	Score	74
Exons	4038..4406, 4039..4161		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	
Start	4038	End	5762
Name	OJ000307_01.0405.C25.o2.tm	Method	TBLASTX:Maize
Start	4131	End	4631
GI	none	Score	123
Exons	4131..4217, 4230..4601, 4372..4602, 4383..4631		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	
Start	4038	End	5762
Name	OJ000307_01.0405.C25.o3.tw	Method	TBLASTX:Wheat
Start	4500	End	4970
GI	none	Score	90
Exons	4500..4598, 4675..4884, 4851..4970		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	
Start	4038	End	5762
Name	OJ000307_01.0405.C25.o3.tm	Method	TBLASTX:Maize
Start	4651	End	4845
GI	none	Score	113
Exons	4651..4845, 4661..4834		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	

Start	4038	End	5762
Name	OJ000307_01.0405.C25.o1.ts	Method	TBLASTX:Soybean
Start	4672	End	5195
GI	none	Score	102
Exons	4672..4857, 4878..5003, 4971..5195		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	
Start	4038	End	5762
Name	OJ000307_01.0405.C25.o1.tm	Method	TBLASTX:Maize
Start	4851	End	5762
GI	none	Score	147
Exons	4851..4997, 4974..5762, 5140..5397, 5364..5723, 5437..5739		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	
Start	4038	End	5762
Name	OJ000307_01.0405.C25.o4.tw	Method	TBLASTX:Wheat
Start	5124	End	5399
GI	none	Score	55
Exons	5124..5276, 5286..5399, 5353..5397		

Seq. No.	46735	Seq. ID	OJ000307_01.0405.C25
Gene No.	99261	Strand	
Start	4038	End	5762
Name	OJ000307_01.0405.C25.o2.tw	Method	TBLASTX:Wheat
Start	5400	End	5711
GI	none	Score	184
Exons	5400..5711, 5437..5676		

Seq. No.	46736	Seq. ID	OJ000307_01.0405.C28
Gene No.	99262	Strand	
Start	215	End	1327
Name	OJ000307_01.0405.C28.o1.tw	Method	TBLASTX:Wheat
Start	215	End	655
GI	none	Score	117
Exons	215..346, 353..655, 363..653		

Seq. No.	46736	Seq. ID	OJ000307_01.0405.C28
Gene No.	99262	Strand	
Start	215	End	1327
Name	OJ000307_01.0405.C28.o1.tm	Method	TBLASTX:Maize
Start	296	End	982
GI	none	Score	70
Exons	296..982, 297..551, 585..737		

Seq. No.	46736	Seq. ID	OJ000307_01.0405.C28
Gene No.	99262	Strand	
Start	215	End	1327
Name	OJ000307_01.0405.C28.o2.tw	Method	TBLASTX:Wheat
Start	779	End	1093
GI	none	Score	194
Exons	779..1093		

Seq. No.	46736	Seq. ID	OJ000307_01.0405.C28
Gene No.	99262	Strand	
Start	215	End	1327

Name	OJ000307_01.0405.C28.o3.tm	Method	TBLASTX:Maize
Start	983	End	1327
GI	none	Score	138
Exons	983..1183, 984..1316, 1247..1327		

Seq. No.	46736	Seq. ID	OJ000307_01.0405.C28
Gene No.	99263	Strand	
Start	1490	End	1924
Name	OJ000307_01.0405.C28.o2.tm	Method	TBLASTX:Maize
Start	1490	End	1924
GI	none	Score	167
Exons	1490..1924, 1635..1874		

Seq. No.	46736	Seq. ID	OJ000307_01.0405.C28
Gene No.	99264	Strand	
Start	1919	End	2386
Name	OJ000307_01.0405.C28.o3.tw	Method	TBLASTX:Wheat
Start	1919	End	2299
GI	none	Score	187
Exons	1919..2299		

Seq. No.	46736	Seq. ID	OJ000307_01.0405.C28
Gene No.	99264	Strand	
Start	1919	End	2386
Name	OJ000307_01.0405.C28.o4.tm	Method	TBLASTX:Maize
Start	2153	End	2386
GI	none	Score	48
Exons	2153..2242, 2159..2242, 2246..2386, 2297..2383		

Seq. No.	46737	Seq. ID	OJ000307_01.0405.C29
Gene No.	99265	Strand	-
Start	8	End	465
Name	OJ000307_01.0405.C29.o1.gp	Method	AAT/GAP
Start	8	End	465
GI	LIB3432-059-P1-K1-D8	Score	727
Exons	8..465		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46738	Seq. ID	OJ000307_01.0405.C31
Gene No.	99266	Strand	
Start	287	End	1501
Name	OJ000307_01.0405.C31.o1.tm	Method	TBLASTX:Maize
Start	287	End	1278
GI	none	Score	251
Exons	287..526, 288..527, 1098..1271, 1102..1278, 1102..1272		

Seq. No.	46738	Seq. ID	OJ000307_01.0405.C31
Gene No.	99266	Strand	
Start	287	End	1501
Name	OJ000307_01.0405.C31.o1.ts	Method	TBLASTX:Soybean
Start	425	End	1501
GI	none	Score	90
Exons	425..508, 450..524, 1101..1271, 1102..1284, 1102..1272, 1418..1501, 1419..1499		

Seq. No.	46738	Seq. ID	OJ000307_01.0405.C31

Gene No.	99267	Strand	
Start	1454	End	1608
Name	OJ000307_01.0405.C31.o2.tm	Method	TBLASTX:Maize
Start	1454	End	1608
GI	none	Score	271
Exons	1454..1606, 1455..1607, 1456..1608		

Seq. No.	46739	Seq. ID	OJ000307_01.0405.C32
Gene No.	99268	Strand	
Start	234	End	479
Name	OJ000307_01.0405.C32.o1.tm	Method	TBLASTX:Maize
Start	234	End	479
GI	none	Score	145
Exons	234..365, 239..343, 344..478, 344..472, 345..479, 372..473		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99269	Strand	
Start	883	End	1435
Name	OJ000307_01.0405.C33.o6.tw	Method	TBLASTX:Wheat
Start	883	End	1435
GI	none	Score	34
Exons	883..918, 1043..1090, 1097..1195, 1102..1194, 1162..1401, 1178..1435		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99269	Strand	
Start	883	End	1435
Name	OJ000307_01.0405.C33.o4.tm	Method	TBLASTX:Maize
Start	1048	End	1333
GI	none	Score	197
Exons	1048..1332, 1085..1333		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99270	Strand	
Start	2176	End	2662
Name	OJ000307_01.0405.C33.o3.tw	Method	TBLASTX:Wheat
Start	2176	End	2662
GI	none	Score	415
Exons	2176..2349, 2177..2662, 2371..2631		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99271	Strand	
Start	2826	End	3313
Name	OJ000307_01.0405.C33.o1.tw	Method	TBLASTX:Wheat
Start	2826	End	3289
GI	none	Score	225
Exons	2826..3269, 2827..3282, 2828..3289, 2828..3283		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99271	Strand	
Start	2826	End	3313
Name	OJ000307_01.0405.C33.o2.ts	Method	TBLASTX:Soybean
Start	2867	End	3232
GI	none	Score	117
Exons	2867..3091, 3098..3232		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33

Gene No.	99271	Strand	
Start	2826	End	3313
Name	OJ000307_01.0405.C33.o1.tm	Method	TBLASTX:Maize
Start	2957	End	3313
GI	none	Score	395
Exons	2957..3313, 2992..3303, 3008..3313		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99272	Strand	
Start	3340	End	3847
Name	OJ000307_01.0405.C33.o2.tm	Method	TBLASTX:Maize
Start	3340	End	3724
GI	none	Score	365
Exons	3340..3705, 3341..3724		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99272	Strand	
Start	3340	End	3847
Name	OJ000307_01.0405.C33.o2.tw	Method	TBLASTX:Wheat
Start	3397	End	3817
GI	none	Score	488
Exons	3397..3810, 3398..3817		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99272	Strand	
Start	3340	End	3847
Name	OJ000307_01.0405.C33.o1.ts	Method	TBLASTX:Soybean
Start	3476	End	3847
GI	none	Score	274
Exons	3476..3847, 3493..3636		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99273	Strand	
Start	4472	End	4906
Name	OJ000307_01.0405.C33.o5.tw	Method	TBLASTX:Wheat
Start	4472	End	4906
GI	none	Score	229
Exons	4472..4723, 4487..4696, 4537..4722, 4757..4906, 4766..4903, 4768..4905		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99274	Strand	
Start	5413	End	5931
Name	OJ000307_01.0405.C33.o3.tm	Method	TBLASTX:Maize
Start	5413	End	5736
GI	none	Score	362
Exons	5413..5736, 5442..5723		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99274	Strand	
Start	5413	End	5931
Name	OJ000307_01.0405.C33.o4.tw	Method	TBLASTX:Wheat
Start	5550	End	5931
GI	none	Score	371
Exons	5550..5606, 5551..5931, 5554..5892, 5652..5900		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33

Gene No.	99275	Strand	
Start	5932	End	6549
Name	OJ000307_01.0405.C33.o7.tw	Method	TBLASTX:Wheat
Start	5932	End	6534
GI	none	Score	259
Exons	5932..6216, 5937..6215, 6408..6530, 6409..6534		

Seq. No.	46740	Seq. ID	OJ000307_01.0405.C33
Gene No.	99275	Strand	
Start	5932	End	6549
Name	OJ000307_01.0405.C33.o5.tm	Method	TBLASTX:Maize
Start	6403	End	6549
GI	none	Score	186
Exons	6403..6549, 6408..6542		

Seq. No.	46741	Seq. ID	OJ000207_28.0327.C1
Gene No.	99276	Strand	+
Start	75	End	658
Name	OJ000207_28.0327.C1.o1.gs	Method	GENSCAN
Start	75	End	658
GI	none	Score	.96
Exons	75..208, 503..658		

Seq. No.	46741	Seq. ID	OJ000207_28.0327.C1
Gene No.	99276	Strand	+
Start	75	End	658
Name	OJ000207_28.0327.C1.o1.gp	Method	AAT/GAP
Start	153	End	658
GI	5002765	Score	346
Exons	153..208, 503..658		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99277	Strand	+
Start	34	End	2672
Name	OJ000207_28.0327.C2.o1.gp	Method	AAT/GAP
Start	34	End	2672
GI	none	Score	1286
Exons	34..188, 688..768, 1235..1298, 2230..2672		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99277	Strand	+
Start	34	End	2672
Name	OJ000207_28.0327.C2.o1.gs	Method	GENSCAN
Start	688	End	786
GI	none	Score	.45
Exons	688..786		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99278	Strand	+
Start	5181	End	6098
Name	OJ000207_28.0327.C2.o4.gs	Method	GENSCAN
Start	5181	End	6098
GI	none	Score	.91
Exons	5181..5260, 5819..6098		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99279	Strand	-

Start	3821	End	4934
Name	OJ000207_28.0327.C2.o1.np	Method	AAT/NAP
Start	3809	End	4934
GI	7433097	Score	782
Exons	3809..4728, 4860..4934		
GI Descrip.	probable peroxidase - Arabidopsis thaliana gi|2245128|emb|CAB10549.1| (Z97344) peroxidase like protein [Arabidopsis thaliana] gi|7268522|emb|CAB78772.1| (AL161547) peroxidase like protein [Arabidopsis thaliana]		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99279	Strand	-
Start	3821	End	4934
Name	OJ000207_28.0327.C2.o3.gs	Method	GENSCAN
Start	3821	End	4827
GI	none	Score	.74
Exons	3821..4181, 4259..4827		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99279	Strand	-
Start	3821	End	4934
Name	OJ000207_28.0327.C2.o2.gp	Method	AAT/GAP
Start	4503	End	4888
GI	uC-osrocyp007a04b1	Score	764
Exons	4503..4888		
GI Descrip.	'2829863 1.0e-15 (AC002396) Putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99280	Strand	-
Start	6292	End	10921
Name	OJ000207_28.0327.C2.o5.gs	Method	GENSCAN
Start	6292	End	10831
GI	none	Score	.73
Exons	6292..6667, 6694..6785, 8060..8186, 10304..10484, 10591..10657, 10766..10831		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99280	Strand	-
Start	6292	End	10921
Name	OJ000207_28.0327.C2.o3.gp	Method	AAT/GAP
Start	10141	End	10921
GI	59473_1.R1084	Score	1072
Exons	10141..10484, 10591..10657, 10766..10921		
GI Descrip.	'2253442 9.0e-12 (AF007784) LTCOR11 [Lavatera thuringiaca]'		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99280	Strand	-
Start	6292	End	10921
Name	OJ000207_28.0327.C2.o2.np	Method	AAT/NAP
Start	10303	End	10831
GI	2253442	Score	182
Exons	10303..10531, 10755..10831		
GI Descrip.	(AF007784) LTCOR11 [Lavatera thuringiaca]		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-

Start	15141	End	15395
Name	OJ000207_28.0327.C2.o3.tm	Method	TBLASTX:Maize
Start	1	End	1299
GI	none	Score	204
Exons	1..186, 2..187, 9..191, 10..189, 655..771, 690..770, 1208..1297, 1220..1297, 1233..1298, 1234..1299		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o2.tm	Method	TBLASTX:Maize
Start	3831	End	4129
GI	none	Score	111
Exons	3831..3968, 3839..4129, 3881..4117, 4038..4127		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o1.tc	Method	TBLASTX:Cress
Start	3839	End	4719
GI	none	Score	56
Exons	3839..4087, 3986..4087, 4098..4259, 4103..4258, 4267..4524, 4543..4719, 4574..4639		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o1.ts	Method	TBLASTX:Soybean
Start	3842	End	4725
GI	none	Score	99
Exons	3842..4087, 4103..4267, 4116..4268, 4267..4524, 4564..4725, 4568..4639		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o1.tm	Method	TBLASTX:Maize
Start	4130	End	4723
GI	none	Score	92
Exons	4130..4267, 4134..4268, 4169..4270, 4270..4539, 4378..4539, 4531..4722, 4574..4723		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o1.tw	Method	TBLASTX:Wheat
Start	4172	End	4726
GI	none	Score	75
Exons	4172..4267, 4175..4270, 4176..4268, 4180..4539, 4381..4512, 4567..4725, 4574..4726		

Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o2.ts	Method	TBLASTX:Soybean
Start	10294	End	10486
GI	none	Score	129

Exons	10294..10485, 10301..10486		
Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o2.tc	Method	TBLASTX:Cress
Start	10300	End	10486
GI	none	Score	91
Exons	10300..10485, 10352..10486		
Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o4.tm	Method	TBLASTX:Maize
Start	10300	End	10570
GI	none	Score	117
Exons	10300..10485, 10304..10570		
Seq. No.	46742	Seq. ID	OJ000207_28.0327.C2
Gene No.	99281	Strand	-
Start	15141	End	15395
Name	OJ000207_28.0327.C2.o3.np	Method	AAT/NAP
Start	15141	End	15395
GI	7228441	Score	110
Exons	15141..15395		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	46743	Seq. ID	OJ000207_28.0327.C3
Gene No.	99282	Strand	-
Start	51	End	449
Name	OJ000207_28.0327.C3.o1.gs	Method	GENSCAN
Start	51	End	449
GI	none	Score	.65
Exons	51..449		
Seq. No.	46744	Seq. ID	OJ000207_28.0327.C5
Gene No.	99283	Strand	-
Start	3295	End	9211
Name	OJ000207_28.0327.C5.o2.gs	Method	GENSCAN
Start	3295	End	9097
GI	none	Score	.59
Exons	3295..3421, 3503..3719, 7071..7187, 7405..7570, 7576..7950, 8165..8293, 8312..8371, 8900..9097		
Seq. No.	46744	Seq. ID	OJ000207_28.0327.C5
Gene No.	99283	Strand	-
Start	3295	End	9211
Name	OJ000207_28.0327.C5.o1.np	Method	AAT/NAP
Start	4994	End	9211
GI	5281040	Score	302
Exons	4994..5036, 7340..7909, 8988..9211		
GI Descrip.	(AL080318) copper amine oxidase-like protein [Arabidopsis thaliana]		
Seq. No.	46744	Seq. ID	OJ000207_28.0327.C5
Gene No.	99283	Strand	-
Start	3295	End	9211

Name	OJ000207_28.0327.C5.o1.ts	Method	TBLASTX:Soybean
Start	7336	End	7591
GI	none	Score	107
Exons	7336..7521, 7340..7522, 7514..7591, 7534..7584		

Seq. No.	46744	Seq. ID	OJ000207_28.0327.C5
Gene No.	99283	Strand	-
Start	3295	End	9211
Name	OJ000207_28.0327.C5.o1.tc	Method	TBLASTX:Cress
Start	7339	End	7516
GI	none	Score	100
Exons	7339..7515, 7340..7516		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99284	Strand	+
Start	1	End	3206
Name	OJ000207_28.0327.C6.o1.np	Method	AAT/NAP
Start	1	End	3206
GI	6957707	Score	390
Exons	1..32, 1629..1905, 2738..3206		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99284	Strand	+
Start	1	End	3206
Name	OJ000207_28.0327.C6.o1.gs	Method	GENSCAN
Start	1698	End	1942
GI	none	Score	.9
Exons	1698..1905, 1926..1942		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99285	Strand	+
Start	6709	End	6851
Name	OJ000207_28.0327.C6.o3.gs	Method	GENSCAN
Start	6709	End	6851
GI	none	Score	.91
Exons	6709..6851		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99286	Strand	-
Start	3971	End	5523
Name	OJ000207_28.0327.C6.o2.gs	Method	GENSCAN
Start	3971	End	5523
GI	none	Score	.99
Exons	3971..4244, 4847..5523		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o1.ts	Method	TBLASTX:Soybean
Start	1615	End	3176
GI	none	Score	113
Exons	1615..1743, 1750..1908, 1758..1907, 2735..2839, 2889..3098, 3141..3176		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-

Start	6634	End	6864
Name	OJ000207_28.0327.C6.o1.tc	Method	TBLASTX:Cress
Start	1636	End	1914
GI	none	Score	120
Exons	1636..1743, 1750..1914, 1761..1901		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o2.tm	Method	TBLASTX:Maize
Start	1636	End	1911
GI	none	Score	112
Exons	1636..1743, 1746..1892, 1749..1910, 1750..1911, 1750..1911		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o1.tm	Method	TBLASTX:Maize
Start	2730	End	3122
GI	none	Score	99
Exons	2730..2798, 2735..2815, 2735..2812, 2810..2980, 2814..2981, 2814..2957, 2818..2973, 2982..3020, 2988..3020, 3016..3114, 3017..3121, 3018..3122		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o2.tc	Method	TBLASTX:Cress
Start	2865	End	3479
GI	none	Score	103
Exons	2865..3041, 3144..3224, 3321..3377, 3386..3457, 3387..3479		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o4.tm	Method	TBLASTX:Maize
Start	3159	End	3479
GI	none	Score	90
Exons	3159..3221, 3264..3374, 3381..3479, 3407..3457		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o2.ts	Method	TBLASTX:Soybean
Start	3180	End	3479
GI	none	Score	56
Exons	3180..3221, 3225..3374, 3381..3479, 3410..3454		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o3.tc	Method	TBLASTX:Cress
Start	4034	End	4887
GI	none	Score	70
Exons	4034..4246, 4039..4245, 4050..4250, 4846..4887		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6

Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o5.tm	Method	TBLASTX:Maize
Start	5146	End	5323
GI	none	Score	39
Exons	5146..5211, 5146..5211, 5203..5322, 5203..5322, 5234..5323		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o1.gp	Method	AAT/GAP
Start	6634	End	6864
GI	25244_1.R1084	Score	433
Exons	6634..6864		
GI Descrip.	'2392771/gb|AAB70034.1|AAB70034 1.0e-31 (AC002534) putative kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	46745	Seq. ID	OJ000207_28.0327.C6
Gene No.	99287	Strand	-
Start	6634	End	6864
Name	OJ000207_28.0327.C6.o3.tm	Method	TBLASTX:Maize
Start	6702	End	6864
GI	none	Score	261
Exons	6702..6863, 6703..6864		

Seq. No.	46746	Seq. ID	OJ000207_28.0327.C7
Gene No.	99288	Strand	+
Start	1	End	473
Name	OJ000207_28.0327.C7.o1.gp	Method	AAT/GAP
Start	1	End	473
GI	25244_1.R1084	Score	913
Exons	1..473		
GI Descrip.	'2392771/gb|AAB70034.1|AAB70034 1.0e-31 (AC002534) putative kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	46746	Seq. ID	OJ000207_28.0327.C7
Gene No.	99288	Strand	+
Start	1	End	473
Name	OJ000207_28.0327.C7.o1.np	Method	AAT/NAP
Start	1	End	265
GI	5902396	Score	129
Exons	1..265		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	46746	Seq. ID	OJ000207_28.0327.C7
Gene No.	99288	Strand	+
Start	1	End	473
Name	OJ000207_28.0327.C7.o1.tm	Method	TBLASTX:Maize
Start	38	End	283
GI	none	Score	105
Exons	38..109, 146..283		

Seq. No.	46746	Seq. ID	OJ000207_28.0327.C7
Gene No.	99288	Strand	+
Start	1	End	473
Name	OJ000207_28.0327.C7.o1.gs	Method	GENSCAN
Start	46	End	440

GI	none	Score	.59
Exons	46..296, 317..440		

Seq. No.	46746	Seq. ID	OJ000207_28.0327.C7
Gene No.	99288	Strand	+
Start	1	End	473
Name	OJ000207_28.0327.C7.o1.tw	Method	TBLASTX:Wheat
Start	146	End	265
GI	none	Score	192
Exons	146..265		

Seq. No.	46747	Seq. ID	OJ000207_28.0327.C8
Gene No.	99289	Strand	+
Start	2191	End	2785
Name	OJ000207_28.0327.C8.o2.gs	Method	GENSCAN
Start	2191	End	2785
GI	none	Score	.84
Exons	2191..2245, 2286..2333, 2712..2785		

Seq. No.	46747	Seq. ID	OJ000207_28.0327.C8
Gene No.	99290	Strand	+
Start	3432	End	3937
Name	OJ000207_28.0327.C8.o3.gs	Method	GENSCAN
Start	3432	End	3937
GI	none	Score	.96
Exons	3432..3937		

Seq. No.	46747	Seq. ID	OJ000207_28.0327.C8
Gene No.	99291	Strand	-
Start	1	End	1175
Name	OJ000207_28.0327.C8.o1.np	Method	AAT/NAP
Start	1	End	1175
GI	6907086	Score	948
Exons	1..338, 399..1175		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46747	Seq. ID	OJ000207_28.0327.C8
Gene No.	99291	Strand	-
Start	1	End	1175
Name	OJ000207_28.0327.C8.o1.gs	Method	GENSCAN
Start	387	End	992
GI	none	Score	1
Exons	387..992		

Seq. No.	46747	Seq. ID	OJ000207_28.0327.C8
Gene No.	99292	Strand	-
Start	1882	End	3947
Name	OJ000207_28.0327.C8.o2.np	Method	AAT/NAP
Start	1882	End	3947
GI	4680186	Score	192
Exons	1882..2300, 2774..2832, 3863..3947		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99293	Strand	+
Start	1	End	4551
Name	OJ000207_28.0327.C9.o1.np	Method	AAT/NAP

Start	1	End	4530
GI	7459622	Score	2386
Exons	1..92, 753..2663, 2882..3032, 3733..4530		
GI Descrip.	probable RNA-directed RNA polymerase (EC 2.7.7.48) - Arabidopsis thaliana gi|3600048|gb|AAC35535.1| (AF080120) similar to hypothetical proteins in Schizosaccharomyces pombe (GB:Z98533) and C. elegans (GB:Z48334 and Z78419) [Arabidopsis thaliana] gi|4850292|emb|CAB43048.1| (AL049876) putative RNA-directed RNA polymerase [Arabidopsis thaliana] gi|7267812|emb|CAB81214.1| (AL16		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99293	Strand	+
Start	1	End	4551
Name	OJ000207_28.0327.C9.o1.gs	Method	GENSCAN
Start	119	End	4551
GI	none	Score	.9
Exons	119..184, 766..2663, 2882..3032, 3733..4551		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99293	Strand	+
Start	1	End	4551
Name	OJ000207_28.0327.C9.o1.gp	Method	AAT/GAP
Start	2180	End	2661
GI	LIB3432-018-P1-K1-A1	Score	902
Exons	2180..2661		
GI Descrip.	'3600048 1.0e-42 (AF080120) similar to hypothetical proteins in Schizosaccharomyces pombe (GB:Z98533) and C. elegans (GB:Z48334 and Z78419) [Arabidopsis thaliana] >gi_4850292_emb_CAB43048.1_ (AL049876) putative RNA-directed RNA polymerase [Arabidopsis thaliana]'		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99294	Strand	+
Start	4762	End	4884
Name	OJ000207_28.0327.C9.o2.gp	Method	AAT/GAP
Start	4762	End	4884
GI	none	Score	238
Exons	4762..4884		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99295	Strand	+
Start	5378	End	7951
Name	OJ000207_28.0327.C9.o2.gs	Method	GENSCAN
Start	5378	End	7951
GI	none	Score	.7
Exons	5378..5390, 5541..5614, 5708..6320, 7280..7326, 7793..7951		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99295	Strand	+
Start	5378	End	7951
Name	OJ000207_28.0327.C9.o4.gp	Method	AAT/GAP
Start	5799	End	6123
GI	uC-osflm202002h08b1	Score	598
Exons	5799..6123		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize		

transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99296	Strand	-
Start	4892	End	5017
Name	OJ000207_28.0327.C9.o3.gp	Method	AAT/GAP
Start	4892	End	5017
GI	uC-osf1M202073a07a1	Score	217
Exons	4892..5017		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 4.0e-17 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o1.tw	Method	TBLASTX:Wheat
Start	749	End	1042
GI	none	Score	320
Exons	749..1030, 750..1031, 751..1041, 751..1041, 941..1042		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	1333	End	2085
GI	none	Score	710
Exons	1333..2082, 1335..2084, 1335..2084, 1336..2085		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o2.tm	Method	TBLASTX:Maize
Start	2086	End	2580
GI	none	Score	655
Exons	2086..2580, 2086..2580		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o2.ts	Method	TBLASTX:Soybean
Start	2247	End	2469
GI	none	Score	189
Exons	2247..2447, 2248..2469		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o3.tm	Method	TBLASTX:Maize
Start	2581	End	4007
GI	none	Score	57
Exons	2581..2619, 2614..2664, 2879..3037, 2880..3032, 2880..3053, 2881..3033, 3726..4007, 3730..4005		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o1.ts	Method	TBLASTX:Soybean

Start	2885	End	4008
GI	none	Score	163
Exons	2885..2992, 2886..3032, 3730..3897, 3745..3885, 3747..3926, 3900..4001, 3901..4008		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o4.tm	Method	TBLASTX:Maize
Start	4071	End	4461
GI	none	Score	71
Exons	4071..4130, 4084..4134, 4200..4286, 4201..4317, 4215..4307, 4335..4460, 4336..4461		

Seq. No.	46748	Seq. ID	OJ000207_28.0327.C9
Gene No.	99297	Strand	-
Start	8595	End	8825
Name	OJ000207_28.0327.C9.o3.gs	Method	GENSCAN
Start	8595	End	8825
GI	none	Score	.97
Exons	8595..8825		

Seq. No.	46749	Seq. ID	OJ000207_28.0327.C11
Gene No.	99298	Strand	+
Start	178	End	4053
Name	OJ000207_28.0327.C11.o1.gs	Method	GENSCAN
Start	178	End	4053
GI	none	Score	.49
Exons	178..476, 2888..3025, 3116..3468, 3849..4053		

Seq. No.	46749	Seq. ID	OJ000207_28.0327.C11
Gene No.	99299	Strand	-
Start	6735	End	7188
Name	OJ000207_28.0327.C11.o2.gs	Method	GENSCAN
Start	6735	End	7188
GI	none	Score	.61
Exons	6735..6848, 7117..7188		

Seq. No.	46750	Seq. ID	OJ000207_28.0327.C12
Gene No.	99300	Strand	+
Start	278	End	676
Name	OJ000207_28.0327.C12.o1.tm	Method	TBLASTX:Maize
Start	5	End	676
GI	none	Score	44
Exons	5..43, 6..44, 51..149, 62..127, 229..321, 231..326, 232..327, 266..322, 435..563, 436..564, 641..667, 653..676		

Seq. No.	46750	Seq. ID	OJ000207_28.0327.C12
Gene No.	99300	Strand	+
Start	278	End	676
Name	OJ000207_28.0327.C12.o1.gs	Method	GENSCAN
Start	278	End	326
GI	none	Score	.73
Exons	278..326		

Seq. No.	46751	Seq. ID	OJ000207_28.0327.C13
Gene No.	99301	Strand	+

Start	778	End	1070
Name	OJ000207_28.0327.C13.o1.tm	Method	TBLASTX:Maize
Start	765	End	1070
GI	none	Score	153
Exons	765..896, 766..882, 768..896, 976..1068, 980..1069, 984..1070		

Seq. No.	46751	Seq. ID	OJ000207_28.0327.C13
Gene No.	99301	Strand	+
Start	778	End	1070
Name	OJ000207_28.0327.C13.o1.gs	Method	GENSCAN
Start	778	End	1068
GI	none	Score	.56
Exons	778..891, 924..1068		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99302	Strand	+
Start	2	End	3107
Name	OJ000207_28.0327.C14.o1.gs	Method	GENSCAN
Start	2	End	3107
GI	none	Score	.44
Exons	2..55, 407..457, 681..911, 1222..1352, 1470..1556, 2757..2850, 3036..3107		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99302	Strand	+
Start	2	End	3107
Name	OJ000207_28.0327.C14.o1.gp	Method	AAT/GAP
Start	2074	End	2497
GI	none	Score	800
Exons	2074..2497		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99303	Strand	+
Start	5506	End	12729
Name	OJ000207_28.0327.C14.o2.gs	Method	GENSCAN
Start	5506	End	8930
GI	none	Score	.83
Exons	5506..5826, 6194..6336, 8432..8930		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99303	Strand	+
Start	5506	End	12729
Name	OJ000207_28.0327.C14.o2.np	Method	AAT/NAP
Start	8474	End	12726
GI	6957708	Score	1276
Exons	8474..8592, 10018..10692, 11499..11822, 11909..12209, 12533..12726		
GI Descrip.	(AC021640) cell division protein FtsH-like protein [Arabidopsis thaliana]		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99303	Strand	+
Start	5506	End	12729
Name	OJ000207_28.0327.C14.o3.gs	Method	GENSCAN
Start	9781	End	12729
GI	none	Score	.91
Exons	9781..10692, 11499..11822, 11909..12209, 12533..12729		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99304	Strand	-
Start	2519	End	5636
Name	OJ000207_28.0327.C14.o3.tm	Method	TBLASTX:Maize
Start	632	End	1356
GI	none	Score	361
Exons	632..904, 633..917, 634..921, 1208..1342, 1215..1346, 1221..1355, 1222..1356		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99304	Strand	-
Start	2519	End	5636
Name	OJ000207_28.0327.C14.o1.tm	Method	TBLASTX:Maize
Start	2480	End	5627
GI	none	Score	128
Exons	2480..2581, 2487..2573, 2731..2895, 2744..2896, 2745..2906, 2994..3230, 3001..3231, 3326..3517, 3332..3469, 3333..3479, 3557..3616, 3558..3608, 3586..3630, 3747..3803, 4023..4082, 4024..4083, 4026..4085, 4027..4083, 4188..4289, 4189..4287, 4190..4291, 4190..4288, 4390..4503, 4391..4504, 5541..5627, 5542..5622		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99304	Strand	-
Start	2519	End	5636
Name	OJ000207_28.0327.C14.o2.ts	Method	TBLASTX:Soybean
Start	2498	End	3174
GI	none	Score	106
Exons	2498..2575, 2499..2573, 2732..2797, 2740..2799, 2783..2893, 2797..2892, 2800..2907, 3003..3173, 3004..3174		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99304	Strand	-
Start	2519	End	5636
Name	OJ000207_28.0327.C14.o2.gp	Method	AAT/GAP
Start	2519	End	3161
GI	LIB3433-029-P1-K1-H1	Score	619
Exons	2519..2572, 2746..2898, 2994..3161		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99304	Strand	-
Start	2519	End	5636
Name	OJ000207_28.0327.C14.o1.np	Method	AAT/NAP
Start	2639	End	5636
GI	5712716	Score	600
Exons	2639..2898, 2994..3226, 3337..3468, 3556..3631, 3745..3805, 4028..4072, 4173..4266, 4375..4503, 5547..5636		
GI Descrip.	(AF153708) unknown [Pseudomonas sp. BG33R]		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99304	Strand	-
Start	2519	End	5636
Name	OJ000207_28.0327.C14.o2.tc	Method	TBLASTX:Cress
Start	3105	End	3616

GI	none	Score	145
Exons	3105..3230, 3106..3231, 3123..3251, 3326..3457, 3332..3469, 3336..3458, 3545..3616, 3546..3605, 3559..3609		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99304	Strand	-
Start	2519	End	5636
Name	OJ000207_28.0327.C14.o3.ts	Method	TBLASTX:Soybean
Start	3174	End	3630
GI	none	Score	54
Exons	3174..3230, 3175..3231, 3332..3469, 3336..3461, 3554..3604, 3558..3605, 3559..3612, 3559..3630		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99305	Strand	
Start	10420	End	12738
Name	OJ000207_28.0327.C14.o4.tm	Method	TBLASTX:Maize
Start	10420	End	10695
GI	none	Score	338
Exons	10420..10695, 10428..10643		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99305	Strand	
Start	10420	End	12738
Name	OJ000207_28.0327.C14.o1.ts	Method	TBLASTX:Soybean
Start	10561	End	12025
GI	none	Score	141
Exons	10561..10695, 11490..11825, 11501..11818, 11903..12025, 11906..12025		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99305	Strand	
Start	10420	End	12738
Name	OJ000207_28.0327.C14.o2.tm	Method	TBLASTX:Maize
Start	11490	End	12207
GI	none	Score	271
Exons	11490..11786, 11496..11714, 11540..11764, 11793..11825, 11906..12184, 12127..12207		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99305	Strand	
Start	10420	End	12738
Name	OJ000207_28.0327.C14.o1.tc	Method	TBLASTX:Cress
Start	11682	End	12675
GI	none	Score	195
Exons	11682..11825, 11687..11821, 11903..12187, 11906..12184, 11941..12210, 11979..12203, 12061..12204, 12532..12675		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14
Gene No.	99305	Strand	
Start	10420	End	12738
Name	OJ000207_28.0327.C14.o1.tw	Method	TBLASTX:Wheat
Start	11906	End	12115
GI	none	Score	187
Exons	11906..12115, 11906..12079		

Seq. No.	46752	Seq. ID	OJ000207_28.0327.C14

Gene No.	99305	Strand	
Start	10420	End	12738
Name	OJ000207_28.0327.C14.o5.tm	Method	TBLASTX:Maize
Start	12532	End	12738
GI	none	Score	118
Exons	12532..12612, 12532..12594, 12607..12738, 12609..12731		

Seq. No.	46753	Seq. ID	OJ000207_28.0327.C15
Gene No.	99306	Strand	+
Start	343	End	921
Name	OJ000207_28.0327.C15.o1.gs	Method	GENSCAN
Start	343	End	921
GI	none	Score	.69
Exons	343..478, 798..921		

Seq. No.	46753	Seq. ID	OJ000207_28.0327.C15
Gene No.	99307	Strand	+
Start	1030	End	1240
Name	OJ000207_28.0327.C15.o1.gp	Method	AAT/GAP
Start	1030	End	1240
GI	2797834	Score	337
Exons	1030..1240		

Seq. No.	46754	Seq. ID	OJ000207_28.0327.C17
Gene No.	99308	Strand	-
Start	566	End	893
Name	OJ000207_28.0327.C17.o1.gs	Method	GENSCAN
Start	566	End	782
GI	none	Score	.47
Exons	566..782		

Seq. No.	46754	Seq. ID	OJ000207_28.0327.C17
Gene No.	99308	Strand	-
Start	566	End	893
Name	OJ000207_28.0327.C17.o1.gp	Method	AAT/GAP
Start	671	End	893
GI	58670_1.R1084	Score	394
Exons	671..893		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	46755	Seq. ID	OJ000207_28.0327.C18
Gene No.	99309	Strand	+
Start	1	End	114
Name	OJ000207_28.0327.C18.o1.gp	Method	AAT/GAP
Start	1	End	114
GI	5002765	Score	207
Exons	1..114		

Seq. No.	46755	Seq. ID	OJ000207_28.0327.C18
Gene No.	99310	Strand	+
Start	903	End	11390
Name	OJ000207_28.0327.C18.o1.gs	Method	GENSCAN
Start	903	End	11336
GI	none	Score	.72
Exons	903..1086, 1662..1914, 4136..5183, 5769..5924, 6052..6197, 6789..6969, 8319..8406, 8506..8816, 8906..9007, 9355..10048,		

10143..10273, 10810..11127, 11233..11336

Seq. No.	46755	Seq. ID	OJ000207_28.0327.C18
Gene No.	99310	Strand	+
Start	903	End	11390
Name	OJ000207_28.0327.C18.o1.np	Method	AAT/NAP
Start	4410	End	6762
GI	6665553	Score	128
Exons	4410..4615, 6702..6762		
GI Descrip.	(AC013289) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46755	Seq. ID	OJ000207_28.0327.C18
Gene No.	99310	Strand	+
Start	903	End	11390
Name	OJ000207_28.0327.C18.o2.np	Method	AAT/NAP
Start	8171	End	11390
GI	6692258	Score	1123
Exons	8171..8816, 9355..9460, 9647..10048, 10143..10277, 10787..11127, 11233..11390		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	46755	Seq. ID	OJ000207_28.0327.C18
Gene No.	99310	Strand	+
Start	903	End	11390
Name	OJ000207_28.0327.C18.o3.tm	Method	TBLASTX:Maize
Start	8301	End	8530
GI	none	Score	111
Exons	8301..8378, 8340..8369, 8449..8514, 8450..8530, 8451..8522		

Seq. No.	46755	Seq. ID	OJ000207_28.0327.C18
Gene No.	99310	Strand	+
Start	903	End	11390
Name	OJ000207_28.0327.C18.o1.tm	Method	TBLASTX:Maize
Start	8631	End	11388
GI	none	Score	91
Exons	8631..8774, 10823..10969, 10827..10925, 10831..10974, 10834..10992, 11045..11122, 11045..11128, 11047..11127, 11229..11387, 11284..11388, 11295..11387		

Seq. No.	46755	Seq. ID	OJ000207_28.0327.C18
Gene No.	99310	Strand	+
Start	903	End	11390
Name	OJ000207_28.0327.C18.o2.tm	Method	TBLASTX:Maize
Start	9827	End	10052
GI	none	Score	69
Exons	9827..9931, 9832..10050, 9832..9930, 9864..10052		

Seq. No.	46756	Seq. ID	OJ000207_19.0316.C1
Gene No.	99311	Strand	-
Start	1	End	748
Name	OJ000207_19.0316.C1.o1.np	Method	AAT/NAP
Start	1	End	748
GI	7228438	Score	602
Exons	1..306, 399..748		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	46756	Seq. ID	OJ000207_19.0316.C1
Gene No.	99311	Strand	-
Start	1	End	748
Name	OJ000207_19.0316.C1.o1.gs	Method	GENSCAN
Start	30	End	610
GI	none	Score	.45
Exons	30..154, 186..306, 399..610		

Seq. No.	46756	Seq. ID	OJ000207_19.0316.C1
Gene No.	99311	Strand	-
Start	1	End	748
Name	OJ000207_19.0316.C1.o1.gp	Method	AAT/GAP
Start	407	End	680
GI	LIB3475-007-P1-K1-G8	Score	372
Exons	407..680		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	46757	Seq. ID	OJ000207_19.0316.C2
Gene No.	99312	Strand	+
Start	1	End	1265
Name	OJ000207_19.0316.C2.o1.np	Method	AAT/NAP
Start	1	End	1265
GI	1272347	Score	418
Exons	1..860, 886..1265		
GI Descrip.	(U51739) secreted glycoprotein 2 [Ipomoea trifida]		

Seq. No.	46757	Seq. ID	OJ000207_19.0316.C2
Gene No.	99312	Strand	+
Start	1	End	1265
Name	OJ000207_19.0316.C2.o1.gs	Method	GENSCAN
Start	45	End	1254
GI	none	Score	.7
Exons	45..970, 984..1254		

Seq. No.	46757	Seq. ID	OJ000207_19.0316.C2
Gene No.	99312	Strand	+
Start	1	End	1265
Name	OJ000207_19.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	57	End	525
GI	none	Score	67
Exons	57..134, 137..214, 212..379, 343..447, 386..523, 469..525		

Seq. No.	46757	Seq. ID	OJ000207_19.0316.C2
Gene No.	99312	Strand	+
Start	1	End	1265
Name	OJ000207_19.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	137	End	532
GI	none	Score	69
Exons	137..202, 140..202, 218..532, 253..414, 457..531		

Seq. No.	46758	Seq. ID	OJ000207_19.0316.C3
Gene No.	99313	Strand	+
Start	127	End	489
Name	OJ000207_19.0316.C3.o1.gs	Method	GENSCAN

Start	127	End	489
GI	none	Score	.48
Exons	127..489		

Seq. No.	46758	Seq. ID	OJ000207_19.0316.C3
Gene No.	99314	Strand	+
Start	2717	End	6058
Name	OJ000207_19.0316.C3.o3.gs	Method	GENSCAN
Start	2717	End	6029
GI	none	Score	.64
Exons	2717..2814, 4793..5096, 5461..6029		

Seq. No.	46758	Seq. ID	OJ000207_19.0316.C3
Gene No.	99314	Strand	+
Start	2717	End	6058
Name	OJ000207_19.0316.C3.o3.np	Method	AAT/NAP
Start	3225	End	6058
GI	5042454	Score	211
Exons	3225..3370, 3713..3821, 4642..4856, 5704..6058		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46758	Seq. ID	OJ000207_19.0316.C3
Gene No.	99314	Strand	+
Start	2717	End	6058
Name	OJ000207_19.0316.C3.o4.np	Method	AAT/NAP
Start	5506	End	6058
GI	1272347	Score	153
Exons	5506..6058		
GI Descrip.	(U51739) secreted glycoprotein 2 [Ipomoea trifida]		

Seq. No.	46758	Seq. ID	OJ000207_19.0316.C3
Gene No.	99315	Strand	-
Start	870	End	3821
Name	OJ000207_19.0316.C3.o2.gs	Method	GENSCAN
Start	870	End	1948
GI	none	Score	.9
Exons	870..1043, 1070..1341, 1903..1948		

Seq. No.	46758	Seq. ID	OJ000207_19.0316.C3
Gene No.	99315	Strand	-
Start	870	End	3821
Name	OJ000207_19.0316.C3.o2.np	Method	AAT/NAP
Start	1739	End	3821
GI	5922623	Score	291
Exons	1739..1761, 2953..3028, 3196..3354, 3741..3821		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46758	Seq. ID	OJ000207_19.0316.C3
Gene No.	99315	Strand	-
Start	870	End	3821
Name	OJ000207_19.0316.C3.o1.np	Method	AAT/NAP
Start	2775	End	2901
GI	7523512	Score	111
Exons	2775..2901		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99316	Strand	+
Start	1	End	4968
Name	OJ000207_19.0316.C4.o1.np	Method	AAT/NAP
Start	1	End	2867
GI	7485945	Score	765
Exons	1..137, 1318..1472, 1674..1871, 1968..2205, 2304..2454, 2556..2867		
GI Descrip.	hypothetical protein F21P8.50 - Arabidopsis thaliana gi|3021268|emb|CAA18463.1| (AL022347) putative protein [Arabidopsis thaliana] gi|7269163|emb|CAB79271.1| (AL161558) putative protein [Arabidopsis thaliana]		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99316	Strand	+
Start	1	End	4968
Name	OJ000207_19.0316.C4.o1.gs	Method	GENSCAN
Start	96	End	4968
GI	none	Score	.83
Exons	96..618, 1260..1459, 1664..1871, 1968..2205, 2304..2454, 2673..2798, 4027..4108, 4251..4440, 4485..4968		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o1.tm	Method	TBLASTX:Maize
Start	1355	End	2722
GI	none	Score	90
Exons	1355..1459, 1666..1899, 1673..1855, 1940..2230, 1984..2205, 2298..2411, 2305..2406, 2555..2722, 2556..2720		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o1.tc	Method	TBLASTX:Cress
Start	1376	End	2768
GI	none	Score	71
Exons	1376..1459, 1673..1858, 1675..1869, 1954..2229, 1973..2230, 1987..2160, 1991..2209, 1992..2243, 2308..2436, 2316..2411, 2556..2768		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o2.tw	Method	TBLASTX:Wheat
Start	1666	End	2029
GI	none	Score	228
Exons	1666..1893, 1673..1858, 1985..2029		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o1.ts	Method	TBLASTX:Soybean
Start	1745	End	2382
GI	none	Score	148
Exons	1745..1858, 1750..1857, 1957..2151, 1976..2203, 1979..2209,		

1989..2243, 2304..2381, 2305..2382

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o1.tw	Method	TBLASTX:Wheat
Start	2029	End	2597
GI	none	Score	241
Exons	2029..2202, 2030..2230, 2036..2203, 2298..2435, 2305..2454, 2556..2597		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o2.gs	Method	GENSCAN
Start	7126	End	12302
GI	none	Score	.79
Exons	7126..7404, 8007..8043, 8249..8324, 8421..8466, 8566..8664, 10674..10742, 10827..11211, 11745..11882, 11962..12043, 12239..12302		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o2.np	Method	AAT/NAP
Start	7147	End	13621
GI	6554481	Score	455
Exons	7147..7497, 8007..8064, 8270..8324, 8421..8466, 8566..8673, 10674..10742, 10827..11142, 11362..11495, 11630..11779, 11918..12128, 13434..13621		
GI Descrip.	(AC012394) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o1.gp	Method	AAT/GAP
Start	7355	End	11017
GI	uC-osroM202030e06a1	Score	1016
Exons	7355..7404, 8007..8043, 8249..8324, 8421..8466, 8566..8664, 10674..10742, 10827..11017		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o2.tc	Method	TBLASTX:Cress
Start	8269	End	8673
GI	none	Score	82
Exons	8269..8325, 8271..8324, 8273..8365, 8419..8469, 8563..8673, 8563..8664, 8589..8672		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+

Start	7126	End	13621
Name	OJ000207_19.0316.C4.o2.ts	Method	TBLASTX:Soybean
Start	8414	End	8673
GI	none	Score	82
Exons	8414..8464, 8419..8469, 8563..8673, 8563..8673		

Seq. No.	46759	Seq. ID	OJ000207_19.0316.C4
Gene No.	99317	Strand	+
Start	7126	End	13621
Name	OJ000207_19.0316.C4.o2.tm	Method	TBLASTX:Maize
Start	10829	End	11655
GI	none	Score	93
Exons	10829..10870, 10830..10892, 10852..11061, 10855..10908, 10930..11094, 10946..11212, 10947..11216, 11122..11217, 11337..11498, 11339..11497, 11349..11519, 11350..11520, 11626..11655		

Seq. No.	46760	Seq. ID	OJ000207_19.0316.C5
Gene No.	99318	Strand	+
Start	20	End	195
Name	OJ000207_19.0316.C5.o1.gs	Method	GENSCAN
Start	20	End	195
GI	none	Score	.9
Exons	20..46, 76..195		

Seq. No.	46760	Seq. ID	OJ000207_19.0316.C5
Gene No.	99319	Strand	+
Start	2758	End	3583
Name	OJ000207_19.0316.C5.o3.gs	Method	GENSCAN
Start	2758	End	3583
GI	none	Score	.64
Exons	2758..3111, 3137..3583		

Seq. No.	46760	Seq. ID	OJ000207_19.0316.C5
Gene No.	99319	Strand	+
Start	2758	End	3583
Name	OJ000207_19.0316.C5.o1.np	Method	AAT/NAP
Start	2803	End	3577
GI	6119546	Score	665
Exons	2803..3577		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46760	Seq. ID	OJ000207_19.0316.C5
Gene No.	99320	Strand	-
Start	484	End	1597
Name	OJ000207_19.0316.C5.o2.tc	Method	TBLASTX:Cress
Start	1	End	177
GI	none	Score	58
Exons	1..39, 2..40, 54..119, 55..177		

Seq. No.	46760	Seq. ID	OJ000207_19.0316.C5
Gene No.	99320	Strand	-
Start	484	End	1597
Name	OJ000207_19.0316.C5.o2.gs	Method	GENSCAN
Start	484	End	1597
GI	none	Score	.97
Exons	484..846, 1140..1291, 1395..1497, 1589..1597		

Seq. No.	46760	Seq. ID	OJ000207_19.0316.C5
Gene No.	99321	Strand	
Start	2764	End	3181
Name	OJ000207_19.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	2764	End	3181
GI	none	Score	58
Exons	2764..2865, 2958..3113, 2968..3114, 3146..3181, 3146..3181		

Seq. No.	46760	Seq. ID	OJ000207_19.0316.C5
Gene No.	99321	Strand	
Start	2764	End	3181
Name	OJ000207_19.0316.C5.o1.tc	Method	TBLASTX:Cress
Start	2833	End	3114
GI	none	Score	46
Exons	2833..2865, 2958..3104, 2968..3114		

Seq. No.	46761	Seq. ID	OJ000207_19.0316.C6
Gene No.	99322	Strand	-
Start	1734	End	2159
Name	OJ000207_19.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	1695	End	1941
GI	none	Score	237
Exons	1695..1922, 1695..1937, 1702..1941, 1708..1938		

Seq. No.	46761	Seq. ID	OJ000207_19.0316.C6
Gene No.	99322	Strand	-
Start	1734	End	2159
Name	OJ000207_19.0316.C6.o1.gs	Method	GENSCAN
Start	1734	End	2075
GI	none	Score	.48
Exons	1734..2075		

Seq. No.	46761	Seq. ID	OJ000207_19.0316.C6
Gene No.	99322	Strand	-
Start	1734	End	2159
Name	OJ000207_19.0316.C6.o1.np	Method	AAT/NAP
Start	1737	End	2159
GI	6598671	Score	230
Exons	1737..2159		
GI Descrip.	(AC007127) unknown protein [Arabidopsis thaliana]		

Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o1.np	Method	AAT/NAP
Start	1	End	3001
GI	6554484	Score	1198
Exons	1..199, 928..1813, 2258..2305, 2496..3001		
GI Descrip.	(AC012394) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o2.tm	Method	TBLASTX:Maize
Start	1	End	1267
GI	none	Score	292

Exons	1..207, 1..201, 2..202, 3..209, 972..1004, 972..1160, 974..1171, 1062..1163, 1161..1196, 1178..1267, 1202..1267		
Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o3.ts	Method	TBLASTX:Soybean
Start	51	End	219
GI	none	Score	105
Exons	51..218, 69..203, 70..219		
Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o1.gs	Method	GENSCAN
Start	126	End	5603
GI	none	Score	.88
Exons	126..199, 928..1813, 2258..2305, 2496..3238, 5083..5137, 5463..5603		
Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o1.tm	Method	TBLASTX:Maize
Start	930	End	2736
GI	none	Score	87
Exons	930..971, 1268..1642, 1346..1633, 1377..1649, 1715..1807, 2496..2735, 2500..2736, 2607..2735		
Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o2.tc	Method	TBLASTX:Cress
Start	1313	End	1622
GI	none	Score	108
Exons	1313..1420, 1383..1622, 1424..1621		
Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o1.ts	Method	TBLASTX:Soybean
Start	1400	End	1816
GI	none	Score	81
Exons	1400..1663, 1401..1658, 1709..1816		
Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o1.tc	Method	TBLASTX:Cress
Start	2496	End	2870
GI	none	Score	119
Exons	2496..2870, 2677..2865		
Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o2.ts	Method	TBLASTX:Soybean

Start	2580	End	2870
GI	none	Score	60
Exons	2580..2870, 2683..2793		

Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o1.gp	Method	AAT/GAP
Start	3004	End	3489
GI	none	Score	903
Exons	3004..3489		

Seq. No.	46762	Seq. ID	OJ000207_19.0316.C7
Gene No.	99323	Strand	-
Start	1	End	5603
Name	OJ000207_19.0316.C7.o3.tm	Method	TBLASTX:Maize
Start	4926	End	5259
GI	none	Score	62
Exons	4926..4982, 4927..4980, 4928..4981, 5026..5067, 5091..5240, 5095..5259, 5101..5250		

Seq. No.	46763	Seq. ID	OJ000207_19.0316.C8
Gene No.	99324	Strand	-
Start	50	End	1902
Name	OJ000207_19.0316.C8.o1.gs	Method	GENSCAN
Start	50	End	1902
GI	none	Score	.64
Exons	50..142, 723..932, 1184..1267, 1348..1902		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99325	Strand	+
Start	1008	End	1286
Name	OJ000207_19.0316.C9.o1.gs	Method	GENSCAN
Start	1008	End	1286
GI	none	Score	.65
Exons	1008..1286		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99326	Strand	+
Start	3002	End	5475
Name	OJ000207_19.0316.C9.o2.gs	Method	GENSCAN
Start	3002	End	4815
GI	none	Score	.95
Exons	3002..3442, 3520..3757, 3837..4015, 4090..4815		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99326	Strand	+
Start	3002	End	5475
Name	OJ000207_19.0316.C9.o1.np	Method	AAT/NAP
Start	3014	End	5475
GI	109219	Score	127
Exons	3014..3321, 3370..3445, 3529..3740, 5440..5475		
GI Descrip.	dimethylaniline monooxygenase (N-oxide-forming) (EC 1.14.13.8), hepatic 1 - rabbit		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99326	Strand	+

Start	3002	End	5475
Name	OJ000207_19.0316.C9.o2.tm	Method	TBLASTX:Maize
Start	3014	End	3397
GI	none	Score	231
Exons	3014..3205, 3022..3204, 3257..3331, 3347..3397		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99326	Strand	+
Start	3002	End	5475
Name	OJ000207_19.0316.C9.o1.ts	Method	TBLASTX:Soybean
Start	3017	End	3579
GI	none	Score	207
Exons	3017..3214, 3022..3162, 3190..3213, 3224..3361, 3350..3382, 3517..3579		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99326	Strand	+
Start	3002	End	5475
Name	OJ000207_19.0316.C9.o2.ts	Method	TBLASTX:Soybean
Start	3833	End	4266
GI	none	Score	80
Exons	3833..3913, 3920..4012, 4075..4266		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99326	Strand	+
Start	3002	End	5475
Name	OJ000207_19.0316.C9.o1.tm	Method	TBLASTX:Maize
Start	4227	End	4614
GI	none	Score	326
Exons	4227..4265, 4339..4614, 4347..4613		

Seq. No.	46764	Seq. ID	OJ000207_19.0316.C9
Gene No.	99326	Strand	+
Start	3002	End	5475
Name	OJ000207_19.0316.C9.o1.tc	Method	TBLASTX:Cress
Start	4477	End	4800
GI	none	Score	118
Exons	4477..4611, 4669..4800		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99327	Strand	+
Start	6370	End	6917
Name	OJ000207_19.0316.C10.o3.gs	Method	GENSCAN
Start	6370	End	6917
GI	none	Score	.86
Exons	6370..6771, 6813..6917		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99328	Strand	+
Start	10899	End	17820
Name	OJ000207_19.0316.C10.o2.np	Method	AAT/NAP
Start	10899	End	14371
GI	6587861	Score	89
Exons	10899..10921, 12249..12471, 14303..14371		
GI Descrip.	(AC012680) putative transporter [Arabidopsis thaliana]		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10

Gene No.	99328	Strand	+
Start	10899	End	17820
Name	OJ000207_19.0316.C10.o6.gs	Method	GENSCAN
Start	14204	End	17101
GI	none	Score	.91
Exons	14204..14683, 15283..15520, 15637..15812, 16246..16610, 16747..17101		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99328	Strand	+
Start	10899	End	17820
Name	OJ000207_19.0316.C10.o3.np	Method	AAT/NAP
Start	14219	End	16698
GI	7504074	Score	115
Exons	14219..14529, 15243..15622, 16677..16698		
GI Descrip.	hypothetical protein F53F4.5 - Caenorhabditis elegans gi|3877536|emb|CAB01214.1| (Z77663) Similarity to Rabbit dimethylaniline monooxygenase (SW:FMO2_RABIT); cDNA EST EMBL:M89097 comes from this gene; cDNA EST yk290c2.5 comes from this gene [Caenorhabditis elegans]		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99328	Strand	+
Start	10899	End	17820
Name	OJ000207_19.0316.C10.o1.gp	Method	AAT/GAP
Start	16931	End	17820
GI	3766665	Score	792
Exons	16931..17134, 17615..17820		
GI Descrip.	2832696/emb|CAA16794.1| 1.0e-12 (AL021713) putative protein [Arabidopsis thaliana]		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99329	Strand	+
Start	18203	End	18850
Name	OJ000207_19.0316.C10.o2.gp	Method	AAT/GAP
Start	18203	End	18850
GI	3766666	Score	1113
Exons	18203..18850		
GI Descrip.	2832696/emb|CAA16794.1| 2.0e-10 (AL021713) putative protein [Arabidopsis thaliana]		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99330	Strand	-
Start	242	End	2768
Name	OJ000207_19.0316.C10.o1.gs	Method	GENSCAN
Start	242	End	2768
GI	none	Score	.89
Exons	242..414, 419..600, 724..746, 813..1025, 2754..2768		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99331	Strand	-
Start	10118	End	12132
Name	OJ000207_19.0316.C10.o1.np	Method	AAT/NAP
Start	10118	End	12132
GI	4432866	Score	550
Exons	10118..12132		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase		

[Arabidopsis thaliana]

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99332	Strand	-
Start	13200	End	13535
Name	OJ000207_19.0316.C10.o5.gs	Method	GENSCAN
Start	13200	End	13535
GI	none	Score	.97
Exons	13200..13535		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o5.tm	Method	TBLASTX:Maize
Start	10773	End	11091
GI	none	Score	93
Exons	10773..10889, 10962..11090, 10963..11091		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o2.tw	Method	TBLASTX:Wheat
Start	10785	End	11337
GI	none	Score	117
Exons	10785..10913, 10905..11090, 10924..11091, 10977..11123, 11089..11337, 11138..11230		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o3.ts	Method	TBLASTX:Soybean
Start	10926	End	11487
GI	none	Score	154
Exons	10926..11090, 11137..11487		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o1.tm	Method	TBLASTX:Maize
Start	11128	End	12054
GI	none	Score	367
Exons	11128..12054, 11204..11971, 11344..12054		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o1.tw	Method	TBLASTX:Wheat
Start	11344	End	11755
GI	none	Score	51
Exons	11344..11406, 11413..11568, 11417..11569, 11569..11754, 11618..11755		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o3.tw	Method	TBLASTX:Wheat
Start	11767	End	12006

GI	none	Score	123
Exons	11767..12006, 11771..11968		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o6.tm	Method	TBLASTX:Maize
Start	14197	End	14500
GI	none	Score	71
Exons	14197..14295, 14225..14296, 14264..14311, 14330..14410, 14357..14500, 14359..14463		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o4.ts	Method	TBLASTX:Soybean
Start	14210	End	15342
GI	none	Score	99
Exons	14210..14296, 14212..14295, 14348..14509, 15277..15342		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o1.tc	Method	TBLASTX:Cress
Start	15277	End	15737
GI	none	Score	219
Exons	15277..15519, 15309..15485, 15651..15737		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o2.ts	Method	TBLASTX:Soybean
Start	15439	End	16470
GI	none	Score	113
Exons	15439..15528, 15635..15829, 15636..15809, 16245..16466, 16246..16470		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o4.tm	Method	TBLASTX:Maize
Start	15639	End	16427
GI	none	Score	208
Exons	15639..15815, 15644..15817, 15647..15814, 16222..16281, 16243..16281, 16285..16425, 16287..16427		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o4.np	Method	AAT/NAP
Start	16394	End	18724
GI	7267512	Score	606
Exons	16394..16433, 17661..18724		
GI Descrip.	(AL161512) putative protein [Arabidopsis thaliana] gi|7321059|emb|CAB82106.1| (AL161813) putative protein [Arabidopsis thaliana]		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o7.gs	Method	GENSCAN
Start	17587	End	18627
GI	none	Score	.66
Exons	17587..18627		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o1.ts	Method	TBLASTX:Soybean
Start	17671	End	18315
GI	none	Score	99
Exons	17671..17862, 17681..17863, 17935..18147, 18211..18315		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o3.tm	Method	TBLASTX:Maize
Start	17801	End	18151
GI	none	Score	69
Exons	17801..17860, 17803..17892, 17806..17859, 17935..18150, 17936..18151		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o2.tc	Method	TBLASTX:Cress
Start	18211	End	18570
GI	none	Score	75
Exons	18211..18411, 18478..18570		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o2.tm	Method	TBLASTX:Maize
Start	18211	End	18591
GI	none	Score	250
Exons	18211..18441, 18227..18475, 18463..18591		

Seq. No.	46765	Seq. ID	OJ000207_19.0316.C10
Gene No.	99333	Strand	-
Start	16394	End	18724
Name	OJ000207_19.0316.C10.o5.ts	Method	TBLASTX:Soybean
Start	18316	End	18639
GI	none	Score	117
Exons	18316..18441, 18472..18639		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99334	Strand	+
Start	564	End	916
Name	OJ000207_19.0316.C11.o1.gs	Method	GENSCAN
Start	564	End	916
GI	none	Score	.71
Exons	564..719, 890..916		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99335	Strand	+
Start	1108	End	1260
Name	OJ000207_19.0316.C11.o1.gp	Method	AAT/GAP
Start	1108	End	1260
GI	7406_1.R1084	Score	229
Exons	1108..1260		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99336	Strand	+
Start	1712	End	5758
Name	OJ000207_19.0316.C11.o2.gs	Method	GENSCAN
Start	1712	End	5758
GI	none	Score	.72
Exons	1712..2962, 3053..3351, 3428..3686, 3779..3904, 3931..4028, 4275..4406, 4470..4517, 4522..4724, 4875..5041, 5618..5758		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99336	Strand	+
Start	1712	End	5758
Name	OJ000207_19.0316.C11.o2.np	Method	AAT/NAP
Start	1712	End	5059
GI	7228442	Score	1749
Exons	1712..3499, 3546..3745, 4057..4246, 4296..4722, 4875..5059		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99336	Strand	+
Start	1712	End	5758
Name	OJ000207_19.0316.C11.o1.np	Method	AAT/NAP
Start	1799	End	5594
GI	7228438	Score	2011
Exons	1799..2962, 3053..3351, 3428..3686, 3779..3961, 4119..4189, 5572..5594		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99336	Strand	+
Start	1712	End	5758
Name	OJ000207_19.0316.C11.o2.gp	Method	AAT/GAP
Start	3179	End	3678
GI	LIB3475-007-P1-K1-G8	Score	809
Exons	3179..3351, 3428..3678		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99336	Strand	+
Start	1712	End	5758
Name	OJ000207_19.0316.C11.o3.gp	Method	AAT/GAP

Start	4860	End	5313
GI	LIB3431-045-P1-N1-A10	Score	844
Exons	4860..5313		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99337	Strand	+
Start	6642	End	8976
Name	OJ000207_19.0316.C11.o3.gs	Method	GENSCAN
Start	6642	End	8976
GI	none	Score	.73
Exons	6642..7088, 7324..7635, 7930..8288, 8631..8976		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99337	Strand	+
Start	6642	End	8976
Name	OJ000207_19.0316.C11.o5.gp	Method	AAT/GAP
Start	7737	End	8713
GI	none	Score	958
Exons	7737..7815, 7930..8288, 8631..8713		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99338	Strand	-
Start	4465	End	5710
Name	OJ000207_19.0316.C11.o3.np	Method	AAT/NAP
Start	4465	End	5710
GI	6721543	Score	86
Exons	4465..4523, 5579..5710		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99338	Strand	-
Start	4465	End	5710
Name	OJ000207_19.0316.C11.o4.gp	Method	AAT/GAP
Start	5256	End	5696
GI	7406_1.R1084	Score	577
Exons	5256..5330, 5365..5696		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99339	Strand	-
Start	8889	End	9290
Name	OJ000207_19.0316.C11.o6.gp	Method	AAT/GAP
Start	8889	End	9290
GI	none	Score	776
Exons	8889..9290		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o1.tm	Method	TBLASTX:Maize
Start	6641	End	7043
GI	none	Score	315
Exons	6641..6838, 6642..6839, 6836..6892, 6837..6893, 6893..6976, 6894..6977, 6980..7042, 6981..7043		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o1.ts	Method	TBLASTX:Soybean
Start	6651	End	7025
GI	none	Score	335
Exons	6651..6992, 6653..7009, 6966..7025		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o1.tc	Method	TBLASTX:Cress
Start	6653	End	6950
GI	none	Score	72
Exons	6653..6709, 6654..6704, 6723..6767, 6774..6950		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o2.tc	Method	TBLASTX:Cress
Start	7335	End	7740
GI	none	Score	125
Exons	7335..7472, 7336..7461, 7458..7544, 7459..7554, 7654..7740		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o2.ts	Method	TBLASTX:Soybean
Start	7477	End	8169
GI	none	Score	92
Exons	7477..7566, 7479..7556, 7579..7812, 7638..7811, 7929..8144, 7930..8169		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o3.tm	Method	TBLASTX:Maize
Start	7651	End	8111
GI	none	Score	181
Exons	7651..7818, 7731..7817, 7912..7965, 7966..8100, 7972..8109, 7974..8111		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o4.tm	Method	TBLASTX:Maize
Start	8113	End	8778
GI	none	Score	83
Exons	8113..8262, 8115..8288, 8118..8288, 8119..8289, 8609..8776, 8622..8777, 8628..8777, 8629..8778		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o3.tc	Method	TBLASTX:Cress
Start	8641	End	8961

GI	none	Score	97
Exons	8641..8763, 8818..8961		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o4.gs	Method	GENSCAN
Start	9884	End	10977
GI	none	Score	.67
Exons	9884..9979, 10603..10698, 10786..10977		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o2.tm	Method	TBLASTX:Maize
Start	9908	End	10909
GI	none	Score	102
Exons	9908..9982, 9919..9981, 10362..10484, 10363..10494, 10363..10485, 10600..10698, 10604..10699, 10608..10724, 10787..10909, 10790..10906		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o8.gp	Method	AAT/GAP
Start	10587	End	11051
GI	LIB3434-013-P1-K1-G1	Score	410
Exons	10587..10698, 10786..10902, 11011..11051		
GI Descrip.	'3395439 4.0e-23 (AC004683) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46766	Seq. ID	OJ000207_19.0316.C11
Gene No.	99340	Strand	-
Start	9884	End	11051
Name	OJ000207_19.0316.C11.o7.gp	Method	AAT/GAP
Start	10603	End	10992
GI	LIB3434-013-P1-K1-G1	Score	364
Exons	10603..10698, 10786..10916, 10971..10992		
GI Descrip.	'3395439 4.0e-23 (AC004683) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46767	Seq. ID	OJ000207_19.0316.C12
Gene No.	99341	Strand	-
Start	468	End	3178
Name	OJ000207_19.0316.C12.o1.gs	Method	GENSCAN
Start	468	End	3178
GI	none	Score	.52
Exons	468..1119, 1529..1653, 2236..2340, 3094..3178		

Seq. No.	46768	Seq. ID	OJ000207_19.0316.C13
Gene No.	99342	Strand	-
Start	1	End	548
Name	OJ000207_19.0316.C13.o1.np	Method	AAT/NAP
Start	1	End	548
GI	6721547	Score	78
Exons	1..57, 432..548		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	46769	Seq. ID	OJ000207_19.0316.C15
Gene No.	99343	Strand	+
Start	1	End	237
Name	OJ000207_19.0316.C15.o1.np	Method	AAT/NAP
Start	1	End	237
GI	7488290	Score	119
Exons	1..237		
GI Descrip.	receptor kinase homolog A_TM018A10.19 - Arabidopsis thaliana gi|2252864|gb|AAB62862.1| (AF013294) Similar to receptor kinase [Arabidopsis thaliana] gi|7267593|emb|CAB80905.1| (AL161491) Similar to receptor kinase; strong similarity to; Contains Protein kinases signatures and profile AA62-84;Protein kinases signatures and profile AA170-182; contains EST gb:AI996706.1, T43643		

Seq. No.	46769	Seq. ID	OJ000207_19.0316.C15
Gene No.	99344	Strand	+
Start	1098	End	3289
Name	OJ000207_19.0316.C15.o2.np	Method	AAT/NAP
Start	1098	End	3289
GI	3913236	Score	77
Exons	1098..1127, 3058..3289		
GI Descrip.	G2/MITOTIC-SPECIFIC CYCLIN 2 (B-LIKE CYCLIN) (CYCOS2) gi|1694892|emb|CAA57556| (X82036) cyclin [Oryza sativa]		

Seq. No.	46769	Seq. ID	OJ000207_19.0316.C15
Gene No.	99345	Strand	-
Start	3867	End	5753
Name	OJ000207_19.0316.C15.o2.gs	Method	GENSCAN
Start	3867	End	5753
GI	none	Score	.54
Exons	3867..4088, 5559..5753		

Seq. No.	46770	Seq. ID	OJ000207_19.0316.C16
Gene No.	99346	Strand	+
Start	1	End	2466
Name	OJ000207_19.0316.C16.o1.np	Method	AAT/NAP
Start	1	End	1834
GI	7228442	Score	3233
Exons	1..1834		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46770	Seq. ID	OJ000207_19.0316.C16
Gene No.	99346	Strand	+
Start	1	End	2466
Name	OJ000207_19.0316.C16.o2.np	Method	AAT/NAP
Start	1	End	2466
GI	5441880	Score	1973
Exons	1..664, 1109..1140, 1399..1714, 2218..2466		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	46770	Seq. ID	OJ000207_19.0316.C16

Gene No.	99346	Strand	+
Start	1	End	2466
Name	OJ000207_19.0316.C16.o1.tm	Method	TBLASTX:Maize
Start	220	End	816
GI	none	Score	93
Exons	220..348, 228..326, 382..681,	399..620,	745..816

Seq. No.	46770	Seq. ID	OJ000207_19.0316.C16
Gene No.	99346	Strand	+
Start	1	End	2466
Name	OJ000207_19.0316.C16.o1.gp	Method	AAT/GAP
Start	263	End	694
GI	5701669	Score	853
Exons	263..694		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	46770	Seq. ID	OJ000207_19.0316.C16
Gene No.	99346	Strand	+
Start	1	End	2466
Name	OJ000207_19.0316.C16.o1.tw	Method	TBLASTX:Wheat
Start	514	End	894
GI	none	Score	208
Exons	514..708, 523..720, 714..839,	718..894,	718..864

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99347	Strand	+
Start	1	End	457
Name	OJ000207_19.0316.C17.o1.np	Method	AAT/NAP
Start	1	End	203
GI	7228442	Score	268
Exons	1..203		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99347	Strand	+
Start	1	End	457
Name	OJ000207_19.0316.C17.o1.gp	Method	AAT/GAP
Start	4	End	457
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	4..457		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99348	Strand	+
Start	1179	End	6604
Name	OJ000207_19.0316.C17.o1.gs	Method	GENSCAN
Start	1179	End	3055
GI	none	Score	.78
Exons	1179..2526, 3045..3055		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99348	Strand	+

Start	1179	End	6604
Name	OJ000207_19.0316.C17.o3.np	Method	AAT/NAP
Start	1194	End	6604
GI	4008008	Score	1255
Exons	1194..2453, 4806..4971, 5084..5262, 5428..5638, 5728..5965, 6058..6208, 6305..6604		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99348	Strand	+
Start	1179	End	6604
Name	OJ000207_19.0316.C17.o2.gs	Method	GENSCAN
Start	3331	End	6208
GI	none	Score	.94
Exons	3331..4702, 4879..4971, 5063..5262, 5428..5638, 5728..5965, 6058..6208		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99349	Strand	-
Start	1	End	817
Name	OJ000207_19.0316.C17.o2.np	Method	AAT/NAP
Start	1	End	817
GI	6721543	Score	118
Exons	1..38, 689..817		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99350	Strand	-
Start	2413	End	4613
Name	OJ000207_19.0316.C17.o2.ts	Method	TBLASTX:Soybean
Start	1284	End	3935
GI	none	Score	62
Exons	1284..1352, 1319..1429, 1347..1439, 1524..1634, 1622..1729, 1623..1727, 3517..3603, 3522..3602, 3625..3693, 3796..3933, 3798..3935		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99350	Strand	-
Start	2413	End	4613
Name	OJ000207_19.0316.C17.o2.tm	Method	TBLASTX:Maize
Start	1359	End	4061
GI	none	Score	78
Exons	1359..1433, 1367..1429, 1497..1535, 1535..1765, 1557..1727, 1785..1841, 3522..3590, 3523..3588, 3527..3589, 3625..3687, 3627..3686, 3741..3944, 3751..3963, 3936..4061		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99350	Strand	-
Start	2413	End	4613
Name	OJ000207_19.0316.C17.o3.tm	Method	TBLASTX:Maize
Start	2229	End	4613
GI	none	Score	182
Exons	2229..2384, 2252..2356, 2253..2378, 2346..2453, 2402..2446, 4402..4533, 4404..4613, 4498..4587, 4588..4611		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99350	Strand	-

Start	2413	End	4613
Name	OJ000207_19.0316.C17.o2.gp	Method	AAT/GAP
Start	2413	End	2816
GI	uC-osroM202027h06a1	Score	792
Exons	2413..2816		
GI Descrip.	'2832696/emb|CAA16794.1| 2.0e-10 (AL021713) putative protein [Arabidopsis thaliana]'		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99351	Strand	
Start	5119	End	6532
Name	OJ000207_19.0316.C17.o1.tm	Method	TBLASTX:Maize
Start	5119	End	6469
GI	none	Score	87
Exons	5119..5262, 5425..5637, 5427..5621, 5437..5628, 5747..5965, 5748..5963, 5751..5978, 6058..6165, 6059..6154, 6304..6459, 6305..6469		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99351	Strand	
Start	5119	End	6532
Name	OJ000207_19.0316.C17.o1.tc	Method	TBLASTX:Cress
Start	5182	End	6525
GI	none	Score	82
Exons	5182..5262, 5425..5637, 5448..5624, 5718..5978, 5727..5963, 5879..5965, 6061..6168, 6061..6165, 6062..6172, 6314..6517, 6406..6525		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99351	Strand	
Start	5119	End	6532
Name	OJ000207_19.0316.C17.o1.ts	Method	TBLASTX:Soybean
Start	5191	End	6532
GI	none	Score	78
Exons	5191..5262, 5425..5652, 5448..5624, 5485..5625, 5747..5908, 5748..5963, 5784..5978, 6058..6159, 6058..6165, 6059..6160, 6062..6199, 6251..6457, 6305..6532		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99351	Strand	
Start	5119	End	6532
Name	OJ000207_19.0316.C17.o1.tw	Method	TBLASTX:Wheat
Start	5421	End	5842
GI	none	Score	242
Exons	5421..5648, 5425..5637, 5717..5842, 5748..5840		

Seq. No.	46771	Seq. ID	OJ000207_19.0316.C17
Gene No.	99351	Strand	
Start	5119	End	6532
Name	OJ000207_19.0316.C17.o2.tw	Method	TBLASTX:Wheat
Start	5843	End	6208
GI	none	Score	141
Exons	5843..5962, 5844..5963, 6058..6168, 6059..6169, 6059..6208		

Seq. No.	46772	Seq. ID	OJ000207_19.0316.C18
Gene No.	99352	Strand	+
Start	881	End	1005

Name	OJ000207_19.0316.C18.o1.gs	Method	GENSCAN
Start	881	End	1005
GI	none	Score	.53
Exons	881..1005		

Seq. No.	46772	Seq. ID	OJ000207_19.0316.C18
Gene No.	99353	Strand	-
Start	667	End	2485
Name	OJ000207_19.0316.C18.o1.np	Method	AAT/NAP
Start	667	End	2485
GI	4680186	Score	198
Exons	667..687, 1371..1506, 2093..2233, 2456..2485		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	46772	Seq. ID	OJ000207_19.0316.C18
Gene No.	99353	Strand	-
Start	667	End	2485
Name	OJ000207_19.0316.C18.o2.gs	Method	GENSCAN
Start	2152	End	2240
GI	none	Score	.45
Exons	2152..2240		

Seq. No.	46773	Seq. ID	OJ000207_19.0316.C19
Gene No.	99354	Strand	+
Start	1	End	736
Name	OJ000207_19.0316.C19.o1.np	Method	AAT/NAP
Start	1	End	736
GI	6069654	Score	257
Exons	1..144, 320..736		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	46773	Seq. ID	OJ000207_19.0316.C19
Gene No.	99354	Strand	+
Start	1	End	736
Name	OJ000207_19.0316.C19.o1.gs	Method	GENSCAN
Start	8	End	652
GI	none	Score	.43
Exons	8..99, 494..652		

Seq. No.	46774	Seq. ID	OJ000207_19.0316.C20
Gene No.	99355	Strand	+
Start	898	End	1964
Name	OJ000207_19.0316.C20.o1.gs	Method	GENSCAN
Start	898	End	1877
GI	none	Score	.88
Exons	898..1091, 1198..1405, 1485..1722, 1810..1877		

Seq. No.	46774	Seq. ID	OJ000207_19.0316.C20
Gene No.	99355	Strand	+
Start	898	End	1964
Name	OJ000207_19.0316.C20.o1.tm	Method	TBLASTX:Maize
Start	951	End	1917
GI	none	Score	102
Exons	951..1088, 986..1084, 1019..1093, 1203..1400, 1210..1404, 1261..1404, 1504..1722, 1505..1687, 1508..1726, 1802..1912, 1811..1912, 1816..1917		

Seq. No.	46774	Seq. ID	OJ000207_19.0316.C20
Gene No.	99355	Strand	+
Start	898	End	1964
Name	OJ000207_19.0316.C20.o1.tc	Method	TBLASTX:Cress
Start	966	End	1918
GI	none	Score	83
Exons	966..1088, 1019..1102, 1209..1334, 1210..1404, 1222..1404, 1484..1687, 1504..1719, 1507..1722, 1592..1726, 1802..1918, 1816..1917		

Seq. No.	46774	Seq. ID	OJ000207_19.0316.C20
Gene No.	99355	Strand	+
Start	898	End	1964
Name	OJ000207_19.0316.C20.o1.np	Method	AAT/NAP
Start	969	End	1964
GI	7428021	Score	671
Exons	969..1098, 1202..1405, 1485..1722, 1810..1964		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) T6K22.120 precursor - Arabidopsis thaliana gi|3402758|emb|CAA20204.1| (AL031187) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7268936|emb|CAB81246.1| (AL161555) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	46774	Seq. ID	OJ000207_19.0316.C20
Gene No.	99355	Strand	+
Start	898	End	1964
Name	OJ000207_19.0316.C20.o1.ts	Method	TBLASTX:Soybean
Start	981	End	1917
GI	none	Score	90
Exons	981..1088, 1019..1099, 1209..1391, 1210..1404, 1210..1395, 1484..1687, 1504..1719, 1615..1722, 1802..1906, 1811..1903, 1816..1914, 1816..1917		

Seq. No.	46774	Seq. ID	OJ000207_19.0316.C20
Gene No.	99355	Strand	+
Start	898	End	1964
Name	OJ000207_19.0316.C20.o1.tw	Method	TBLASTX:Wheat
Start	1203	End	1599
GI	none	Score	58
Exons	1203..1409, 1209..1400, 1210..1404, 1483..1599, 1484..1597		

Seq. No.	46774	Seq. ID	OJ000207_19.0316.C20
Gene No.	99355	Strand	+
Start	898	End	1964
Name	OJ000207_19.0316.C20.o2.tw	Method	TBLASTX:Wheat
Start	1600	End	1954
GI	none	Score	103
Exons	1600..1719, 1601..1687, 1601..1720, 1802..1954, 1816..1944		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99356	Strand	+
Start	1	End	205
Name	OJ000207_19.0316.C21.o1.np	Method	AAT/NAP
Start	1	End	205
GI	4262151	Score	99
Exons	1..205		
GI Descrip.	(AC005275) putative receptor kinase [Arabidopsis thaliana]		

gi|7270193|emb|CAB77808.1| (AL161496) putative receptor kinase [Arabidopsis thaliana]

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o1.tc	Method	TBLASTX:Cress
Start	2	End	8316
GI	none	Score	90
Exons	2..85, 3463..3540, 3471..3554, 3659..3784, 3660..3854, 3672..3854, 3934..4170, 3954..4169, 4042..4176, 4251..4367, 4252..4368, 4465..4698, 4590..4697, 7909..7932, 7951..8031, 7953..8042, 8110..8316, 8121..8315		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o1.tm	Method	TBLASTX:Maize
Start	4	End	8313
GI	none	Score	122
Exons	4..126, 5..127, 3438..3536, 3439..3540, 3653..3775, 3660..3854, 3711..3854, 3954..4172, 3955..4170, 3958..4176, 4224..4367, 4252..4362, 4483..4740, 4518..4739, 7879..8031, 7959..8051, 8110..8313, 8121..8312		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o1.ts	Method	TBLASTX:Soybean
Start	5	End	8316
GI	none	Score	79
Exons	5..85, 3471..3551, 3472..3540, 3659..3841, 3660..3854, 3934..4170, 3954..4169, 3988..4176, 4251..4367, 4252..4356, 4504..4698, 4590..4658, 7927..8031, 7959..8030, 8107..8316, 8133..8315		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o1.gs	Method	GENSCAN
Start	469	End	8031
GI	none	Score	.46
Exons	469..630, 1186..2167, 2185..2490, 3350..3543, 3648..3855, 4076..4172, 4260..4410, 5834..5961, 6131..6883, 6919..7047, 7161..7483, 7838..8031		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o2.np	Method	AAT/NAP
Start	1207	End	8319
GI	6686398	Score	1766
Exons	1207..2463, 2668..2940, 3425..3543, 3645..3855, 3935..4172, 4260..4410, 4516..4850, 6264..7532, 7755..8031, 8119..8319		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21

Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o2.tm	Method	TBLASTX:Maize
Start	1287	End	6809
GI	none	Score	96
Exons	1287..1376, 1288..1377, 1381..1476, 1405..1458, 1503..1616, 1564..1701, 1623..1709, 1746..1778, 1791..1841, 6225..6329, 6254..6313, 6336..6362, 6353..6412, 6360..6407, 6426..6545, 6561..6590, 6594..6668, 6786..6809		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o2.tw	Method	TBLASTX:Wheat
Start	3653	End	8316
GI	none	Score	232
Exons	3653..3859, 3660..3854, 3934..3996, 8113..8316, 8121..8315		

Seq. No.	46775	Seq. ID	OJ000207_19.0316.C21
Gene No.	99357	Strand	+
Start	469	End	8319
Name	OJ000207_19.0316.C21.o1.tw	Method	TBLASTX:Wheat
Start	3997	End	4410
GI	none	Score	226
Exons	3997..4170, 3999..4169, 4036..4170, 4251..4382, 4252..4410		

Seq. No.	46776	Seq. ID	OJ000207_19.0316.C22
Gene No.	99358	Strand	+
Start	1	End	694
Name	OJ000207_19.0316.C22.o1.np	Method	AAT/NAP
Start	1	End	694
GI	7488194	Score	299
Exons	1..28, 115..289, 368..694		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.40 - Arabidopsis thaliana gi|3021267|emb|CAA18462.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269162|emb|CAB79270.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	46776	Seq. ID	OJ000207_19.0316.C22
Gene No.	99358	Strand	+
Start	1	End	694
Name	OJ000207_19.0316.C22.o1.tm	Method	TBLASTX:Maize
Start	67	End	676
GI	none	Score	181
Exons	67..255, 68..265, 89..256, 102..269, 115..267, 370..585, 374..676		

Seq. No.	46776	Seq. ID	OJ000207_19.0316.C22
Gene No.	99358	Strand	+
Start	1	End	694
Name	OJ000207_19.0316.C22.o1.ts	Method	TBLASTX:Soybean
Start	94	End	552
GI	none	Score	152
Exons	94..222, 110..256, 373..552, 374..544		

Seq. No.	46776	Seq. ID	OJ000207_19.0316.C22

Gene No.	99358	Strand	+
Start	1	End	694
Name	OJ000207_19.0316.C22.o1.gs	Method	GENSCAN
Start	122	End	676
GI	none	Score	.89
Exons	122..265, 491..676		

Seq. No.	46776	Seq. ID	OJ000207_19.0316.C22
Gene No.	99358	Strand	+
Start	1	End	694
Name	OJ000207_19.0316.C22.o1.tw	Method	TBLASTX:Wheat
Start	373	End	667
GI	none	Score	189
Exons	373..576, 374..667		

Seq. No.	46776	Seq. ID	OJ000207_19.0316.C22
Gene No.	99358	Strand	+
Start	1	End	694
Name	OJ000207_19.0316.C22.o1.tc	Method	TBLASTX:Cress
Start	374	End	592
GI	none	Score	190
Exons	374..592, 397..576		

Seq. No.	46777	Seq. ID	OJ000207_15.0315.C2
Gene No.	99359	Strand	-
Start	1	End	786
Name	OJ000207_15.0315.C2.o1.gp	Method	AAT/GAP
Start	1	End	786
GI	none	Score	915
Exons	1..389, 705..786		

Seq. No.	46777	Seq. ID	OJ000207_15.0315.C2
Gene No.	99359	Strand	-
Start	1	End	786
Name	OJ000207_15.0315.C2.o1.gs	Method	GENSCAN
Start	73	End	455
GI	none	Score	.58
Exons	73..455		

Seq. No.	46778	Seq. ID	OJ000207_15.0315.C3
Gene No.	99360	Strand	+
Start	454	End	1443
Name	OJ000207_15.0315.C3.o1.gs	Method	GENSCAN
Start	454	End	1443
GI	none	Score	.45
Exons	454..495, 1314..1443		

Seq. No.	46779	Seq. ID	OJ000207_15.0315.C4
Gene No.	99361	Strand	+
Start	221	End	1398
Name	OJ000207_15.0315.C4.o1.gs	Method	GENSCAN
Start	221	End	1398
GI	none	Score	.72
Exons	221..283, 312..427, 683..767, 801..942, 1322..1398		

Seq. No.	46779	Seq. ID	OJ000207_15.0315.C4
Gene No.	99362	Strand	-

Start	387	End	8514
Name	OJ000207_15.0315.C4.o1.np	Method	AAT/NAP
Start	387	End	3796
GI	7452410	Score	54
Exons	387..510, 3632..3796		
GI Descrip.	hypothetical protein dl3180w - Arabidopsis thaliana gi|2244784|emb|CAB10207.1| (Z97335) hypothetical protein [Arabidopsis thaliana] gi|7268133|emb|CAB78470.1| (AL161538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46779	Seq. ID	OJ000207_15.0315.C4
Gene No.	99362	Strand	-
Start	387	End	8514
Name	OJ000207_15.0315.C4.o1.gp	Method	AAT/GAP
Start	630	End	1186
GI	2800581	Score	857
Exons	630..1186		

Seq. No.	46779	Seq. ID	OJ000207_15.0315.C4
Gene No.	99362	Strand	-
Start	387	End	8514
Name	OJ000207_15.0315.C4.o2.gs	Method	GENSCAN
Start	2251	End	8514
GI	none	Score	.72
Exons	2251..2655, 2757..2904, 3632..3892, 4371..4534, 4951..5154, 8335..8514		

Seq. No.	46779	Seq. ID	OJ000207_15.0315.C4
Gene No.	99362	Strand	-
Start	387	End	8514
Name	OJ000207_15.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	3631	End	3784
GI	none	Score	185
Exons	3631..3783, 3632..3784		

Seq. No.	46779	Seq. ID	OJ000207_15.0315.C4
Gene No.	99362	Strand	-
Start	387	End	8514
Name	OJ000207_15.0315.C4.o2.gp	Method	AAT/GAP
Start	3722	End	5159
GI	none	Score	1249
Exons	3722..3892, 4371..4615, 4914..5159		

Seq. No.	46780	Seq. ID	OJ000207_15.0315.C5
Gene No.	99363	Strand	+
Start	709	End	855
Name	OJ000207_15.0315.C5.o1.gs	Method	GENSCAN
Start	709	End	855
GI	none	Score	.55
Exons	709..855		

Seq. No.	46780	Seq. ID	OJ000207_15.0315.C5
Gene No.	99364	Strand	-
Start	1948	End	5511
Name	OJ000207_15.0315.C5.o2.gs	Method	GENSCAN
Start	1948	End	5511
GI	none	Score	.63

Exons 1948..2127, 3220..3295, 3702..3730, 4312..4464, 5473..5511

Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99365	Strand	+
Start	1	End	1957
Name	OJ000207_15.0315.C6.o1.np	Method	AAT/NAP
Start	1	End	1957
GI	7444451	Score	359
Exons	1..433, 1656..1957		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99365	Strand	+
Start	1	End	1957
Name	OJ000207_15.0315.C6.o1.gs	Method	GENSCAN
Start	303	End	1700
GI	none	Score	.62
Exons	303..420, 1605..1700		

Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99366	Strand	+
Start	3799	End	9633
Name	OJ000207_15.0315.C6.o2.gs	Method	GENSCAN
Start	3799	End	8728
GI	none	Score	.49
Exons	3799..3898, 4174..4450, 5302..5641, 5646..5834, 7655..7787, 7901..8023, 8060..8346, 8355..8616, 8652..8728		

Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99366	Strand	+
Start	3799	End	9633
Name	OJ000207_15.0315.C6.o3.np	Method	AAT/NAP
Start	7721	End	9065
GI	6630699	Score	69
Exons	7721..7756, 8988..9065		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99366	Strand	+
Start	3799	End	9633
Name	OJ000207_15.0315.C6.o4.np	Method	AAT/NAP
Start	8822	End	9633
GI	6539570	Score	214
Exons	8822..8861, 9234..9414, 9586..9633		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99367	Strand	+
Start	11410	End	14307
Name	OJ000207_15.0315.C6.o5.np	Method	AAT/NAP
Start	11410	End	14307
GI	5032119	Score	86
Exons	11410..11432, 14014..14307		

GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		
Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99368	Strand	-
Start	1	End	14205
Name	OJ000207_15.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	387
GI	none	Score	317
Exons	1..249, 2..370, 131..322, 295..324, 328..387		
Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99368	Strand	-
Start	1	End	14205
Name	OJ000207_15.0315.C6.o2.np	Method	AAT/NAP
Start	1	End	13173
GI	7489738	Score	550
Exons	1..31, 1928..2010, 6130..6925, 13100..13173		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99368	Strand	-
Start	1	End	14205
Name	OJ000207_15.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	70	End	319
GI	none	Score	223
Exons	70..249, 77..319, 292..318		
Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99368	Strand	-
Start	1	End	14205
Name	OJ000207_15.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	98	End	1840
GI	none	Score	132
Exons	98..319, 292..330, 327..428, 328..432, 1736..1840		
Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99368	Strand	-
Start	1	End	14205
Name	OJ000207_15.0315.C6.o2.tm	Method	TBLASTX:Maize
Start	1697	End	1884
GI	none	Score	191
Exons	1697..1882, 1703..1870, 1714..1884		
Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99368	Strand	-
Start	1	End	14205
Name	OJ000207_15.0315.C6.o1.gp	Method	AAT/GAP
Start	5285	End	5696
GI	426984	Score	677
Exons	5285..5696		
Seq. No.	46781	Seq. ID	OJ000207_15.0315.C6
Gene No.	99368	Strand	-

Start	1	End	14205
Name	OJ000207_15.0315.C6.o3.gs	Method	GENSCAN
Start	10623	End	14205
GI	none	Score	.92
Exons	10623..10976, 11193..12225, 12673..12870, 12975..13210, 13622..13702, 14161..14205		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99369	Strand	+
Start	516	End	4352
Name	OJ000207_15.0315.C8.o1.gs	Method	GENSCAN
Start	516	End	4352
GI	none	Score	.68
Exons	516..557, 874..1056, 3235..3302, 3701..4352		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99370	Strand	+
Start	19518	End	20065
Name	OJ000207_15.0315.C8.o1.gp	Method	AAT/GAP
Start	19518	End	20065
GI	none	Score	1066
Exons	19518..20065		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99371	Strand	-
Start	4555	End	12320
Name	OJ000207_15.0315.C8.o2.gs	Method	GENSCAN
Start	4555	End	12320
GI	none	Score	.63
Exons	4555..4649, 5554..5668, 6176..6285, 6415..6514, 6573..6585, 8834..9060, 10317..10492, 10676..10763, 10826..10879, 11016..11421, 12208..12320		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99372	Strand	-
Start	13172	End	14678
Name	OJ000207_15.0315.C8.o1.np	Method	AAT/NAP
Start	13172	End	14678
GI	5852180	Score	278
Exons	13172..13524, 14570..14678		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o2.tm	Method	TBLASTX:Maize
Start	8798	End	8971
GI	none	Score	187
Exons	8798..8965, 8801..8971, 8818..8970		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o2.np	Method	AAT/NAP
Start	17517	End	22135
GI	5478530	Score	232
Exons	17517..17537, 20653..21001, 21595..21864, 21954..22135		

GI Descrip. (AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o4.gs	Method	GENSCAN
Start	18051	End	23508
GI	none	Score	.46
Exons	18051..18246, 18971..18983, 19993..20170, 20653..20793, 20811..20879, 20884..21031, 21463..21544, 21632..21789, 23357..23508		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o1.tc	Method	TBLASTX:Cress
Start	19991	End	22318
GI	none	Score	66
Exons	19991..20137, 20662..20805, 20672..20800, 20695..20871, 21513..21692, 21513..21866, 21514..21867, 21515..21868, 21738..21872, 21932..22318, 21975..22154, 21989..22306		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o1.ts	Method	TBLASTX:Soybean
Start	19991	End	22259
GI	none	Score	66
Exons	19991..20059, 20090..20164, 20100..20165, 20645..21034, 20653..21039, 20653..20709, 20653..20736, 20662..20832, 20665..21030, 20672..20800, 20677..20871, 20797..20877, 21451..21738, 21458..21739, 21462..21740, 21462..21761, 21561..21722, 21747..21815, 21760..21816, 21761..21859, 21777..21875, 21932..22252, 21947..22036, 21948..22154, 21971..22228, 21972..22259, 22188..22259		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o1.tm	Method	TBLASTX:Maize
Start	20662	End	22533
GI	none	Score	70
Exons	20662..20805, 20666..20800, 20695..20874, 20779..20877, 21543..21875, 21544..21723, 21615..21716, 21751..21876, 21929..22087, 21948..22079, 21956..22084, 22109..22303, 22127..22306, 22131..22310, 22359..22505, 22359..22526, 22366..22527, 22375..22533		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o2.gp	Method	AAT/GAP
Start	20750	End	21840
GI	6012_1.R1084	Score	1222
Exons	20750..21031, 21463..21840		
GI Descrip.	'4758520/ref|NP_004658.1|pHERC2| 3.0e-10 hect domain and RLD 2 >gi_4079809_gb_AAD08657.1_ (AF071172) HERC2 [Homo sapiens]'		

Seq. No.	46782	Seq. ID	OJ000207_15.0315.C8
Gene No.	99373	Strand	-
Start	17517	End	23508
Name	OJ000207_15.0315.C8.o3.gp	Method	AAT/GAP
Start	21793	End	22832
GI	none	Score	1766
Exons	21793..21864, 21954..22832		

Seq. No.	46783	Seq. ID	OJ000207_15.0315.C9
Gene No.	99374	Strand	-
Start	1808	End	3521
Name	OJ000207_15.0315.C9.o1.np	Method	AAT/NAP
Start	1808	End	3521
GI	6523064	Score	1593
Exons	1808..3521		
GI Descrip.	(AL133314) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46783	Seq. ID	OJ000207_15.0315.C9
Gene No.	99374	Strand	-
Start	1808	End	3521
Name	OJ000207_15.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	1853	End	2070
GI	none	Score	269
Exons	1853..2068, 1860..2069, 1861..2070		

Seq. No.	46783	Seq. ID	OJ000207_15.0315.C9
Gene No.	99374	Strand	-
Start	1808	End	3521
Name	OJ000207_15.0315.C9.o1.tc	Method	TBLASTX:Cress
Start	1856	End	3247
GI	none	Score	80
Exons	1856..2374, 1952..2470, 2963..3214, 3017..3247		

Seq. No.	46783	Seq. ID	OJ000207_15.0315.C9
Gene No.	99374	Strand	-
Start	1808	End	3521
Name	OJ000207_15.0315.C9.o2.ts	Method	TBLASTX:Soybean
Start	1883	End	3256
GI	none	Score	129
Exons	1883..2248, 1895..2374, 1916..2233, 1943..2392, 1985..2347, 1991..2368, 2948..3142, 2954..3256, 2963..3256, 2963..3166, 2999..3175		

Seq. No.	46783	Seq. ID	OJ000207_15.0315.C9
Gene No.	99374	Strand	-
Start	1808	End	3521
Name	OJ000207_15.0315.C9.o1.gp	Method	AAT/GAP
Start	2157	End	2494
GI	699735	Score	645
Exons	2157..2494		

Seq. No.	46783	Seq. ID	OJ000207_15.0315.C9
Gene No.	99374	Strand	-
Start	1808	End	3521
Name	OJ000207_15.0315.C9.o1.ts	Method	TBLASTX:Soybean
Start	2397	End	2821

GI	none	Score	282
Exons	2397..2669, 2399..2668, 2509..2676, 2669..2818, 2693..2821		

Seq. No.	46784	Seq. ID	OJ000207_15.0315.C10
Gene No.	99375	Strand	+
Start	28	End	1554
Name	OJ000207_15.0315.C10.o1.gs	Method	GENSCAN
Start	28	End	1554
GI	none	Score	.7
Exons	28..45, 178..270, 1522..1554		

Seq. No.	46784	Seq. ID	OJ000207_15.0315.C10
Gene No.	99375	Strand	+
Start	28	End	1554
Name	OJ000207_15.0315.C10.o1.tm	Method	TBLASTX:Maize
Start	175	End	483
GI	none	Score	127
Exons	175..270, 176..271, 177..269, 355..483, 356..472		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99376	Strand	+
Start	311	End	1264
Name	OJ000207_15.0315.C11.o1.gp	Method	AAT/GAP
Start	311	End	1264
GI	28801_1.R1084	Score	1211
Exons	311..348, 605..1264		
GI Descrip.	'1572801 7.0e-18 (U70854) F38A5.1 gene product [Caenorhabditis elegans]'		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99376	Strand	+
Start	311	End	1264
Name	OJ000207_15.0315.C11.o1.gs	Method	GENSCAN
Start	607	End	871
GI	none	Score	.71
Exons	607..871		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99377	Strand	+
Start	6068	End	9971
Name	OJ000207_15.0315.C11.o1.np	Method	AAT/NAP
Start	6068	End	9971
GI	6539553	Score	6455
Exons	6068..9971		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99378	Strand	+
Start	14228	End	16964
Name	OJ000207_15.0315.C11.o6.gs	Method	GENSCAN
Start	14228	End	16964
GI	none	Score	.93
Exons	14228..15368, 15993..16285, 16440..16571, 16693..16964		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99379	Strand	-
Start	4761	End	5913
Name	OJ000207_15.0315.C11.o2.tm	Method	TBLASTX:Maize
Start	604	End	944
GI	none	Score	328
Exons	604..879, 605..826, 613..879, 890..943, 891..944, 892..942, 893..943		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99379	Strand	-
Start	4761	End	5913
Name	OJ000207_15.0315.C11.o3.gs	Method	GENSCAN
Start	4761	End	5913
GI	none	Score	.62
Exons	4761..4819, 4963..5085, 5376..5524, 5609..5913		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99380	Strand	
Start	6059	End	6510
Name	OJ000207_15.0315.C11.o4.tw	Method	TBLASTX:Wheat
Start	6059	End	6448
GI	none	Score	345
Exons	6059..6445, 6062..6448, 6073..6447		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99380	Strand	
Start	6059	End	6510
Name	OJ000207_15.0315.C11.o3.tm	Method	TBLASTX:Maize
Start	6197	End	6510
GI	none	Score	362
Exons	6197..6508, 6215..6505, 6220..6510		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99381	Strand	
Start	7008	End	7330
Name	OJ000207_15.0315.C11.o1.tm	Method	TBLASTX:Maize
Start	7008	End	7330
GI	none	Score	268
Exons	7008..7268, 7015..7329, 7035..7328, 7139..7330		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99382	Strand	
Start	7357	End	8555
Name	OJ000207_15.0315.C11.o5.ts	Method	TBLASTX:Soybean
Start	7357	End	7743
GI	none	Score	75
Exons	7357..7506, 7495..7743		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99382	Strand	
Start	7357	End	8555
Name	OJ000207_15.0315.C11.o5.tw	Method	TBLASTX:Wheat
Start	7606	End	7800
GI	none	Score	72
Exons	7606..7800, 7608..7697, 7609..7800		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99382	Strand	
Start	7357	End	8555
Name	OJ000207_15.0315.C11.o6.tm	Method	TBLASTX:Maize
Start	7657	End	8228
GI	none	Score	193
Exons	7657..7923, 7740..7895, 7983..8228		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99382	Strand	
Start	7357	End	8555
Name	OJ000207_15.0315.C11.o3.ts	Method	TBLASTX:Soybean
Start	7753	End	8150
GI	none	Score	146
Exons	7753..7923, 7761..7919, 7768..7923, 7977..8150		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99382	Strand	
Start	7357	End	8555
Name	OJ000207_15.0315.C11.o1.tw	Method	TBLASTX:Wheat
Start	7801	End	8555
GI	none	Score	191
Exons	7801..7926, 7809..7925, 7908..8555, 7923..8555		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o1.ts	Method	TBLASTX:Soybean
Start	8475	End	8939
GI	5509260	Score	378
Exons	8475..8939, 8576..8644, 8693..8788, 8861..8920		
GI Descrip.	-		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o1.tc	Method	TBLASTX:Cress
Start	8568	End	8828
GI	none	Score	283
Exons	8568..8828		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o4.tm	Method	TBLASTX:Maize
Start	8609	End	9056
GI	none	Score	349
Exons	8609..8791, 8610..9056, 8745..8927, 8861..8971		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o3.tw	Method	TBLASTX:Wheat
Start	8610	End	9176
GI	none	Score	314
Exons	8610..8954, 8757..8930, 8949..9176, 9014..9145		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o2.ts	Method	TBLASTX:Soybean
Start	9008	End	9353
GI	none	Score	289
Exons	9008..9208, 9009..9353		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o5.tm	Method	TBLASTX:Maize
Start	9180	End	9491
GI	none	Score	297
Exons	9180..9470, 9185..9490, 9189..9491		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o2.tw	Method	TBLASTX:Wheat
Start	9359	End	9835
GI	none	Score	109
Exons	9359..9430, 9360..9434, 9360..9440, 9449..9634, 9450..9833, 9450..9800, 9722..9835		

Seq. No.	46785	Seq. ID	OJ000207_15.0315.C11
Gene No.	99383	Strand	
Start	8475	End	9835
Name	OJ000207_15.0315.C11.o4.ts	Method	TBLASTX:Soybean
Start	9366	End	9707
GI	none	Score	89
Exons	9366..9479, 9392..9472, 9498..9707, 9503..9634, 9510..9686		

Seq. No.	46786	Seq. ID	OJ000207_15.0315.C15
Gene No.	99384	Strand	+
Start	872	End	1100
Name	OJ000207_15.0315.C15.o1.gs	Method	GENSCAN
Start	872	End	1100
GI	none	Score	.93
Exons	872..877, 1014..1100		

Seq. No.	46786	Seq. ID	OJ000207_15.0315.C15
Gene No.	99385	Strand	-
Start	1	End	2975
Name	OJ000207_15.0315.C15.o1.np	Method	AAT/NAP
Start	1	End	2975
GI	7452056	Score	226
Exons	1..45, 1292..1482, 1593..1683, 2771..2975		
GI Descrip.	hypothetical protein T29H11.100 - Arabidopsis thaliana gi|4678350|emb|CAB41160.1| (AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	46786	Seq. ID	OJ000207_15.0315.C15
Gene No.	99385	Strand	-
Start	1	End	2975
Name	OJ000207_15.0315.C15.o1.gp	Method	AAT/GAP
Start	461	End	1669

GI	2312414	Score	560
Exons	461..494, 848..930, 1027..1074, 1363..1482, 1593..1669		
GI Descrip.	1572801 7.0e-18 (U70854) F38A5.1 gene product [Caenorhabditis elegans]		

Seq. No.	46786	Seq. ID	OJ000207_15.0315.C15
Gene No.	99385	Strand	-
Start	1	End	2975
Name	OJ000207_15.0315.C15.o1.tm	Method	TBLASTX:Maize
Start	850	End	2942
GI	none	Score	88
Exons	850..930, 854..937, 855..932, 1022..1078, 1023..1082, 1377..1481, 1402..1485, 1590..1685, 1591..1686, 1591..1686, 2780..2932, 2787..2942		

Seq. No.	46786	Seq. ID	OJ000207_15.0315.C15
Gene No.	99385	Strand	-
Start	1	End	2975
Name	OJ000207_15.0315.C15.o2.gs	Method	GENSCAN
Start	1264	End	2968
GI	none	Score	.57
Exons	1264..1283, 1363..1482, 1593..1683, 2771..2968		

Seq. No.	46787	Seq. ID	OJ000207_15.0315.C16
Gene No.	99386	Strand	-
Start	1	End	1876
Name	OJ000207_15.0315.C16.o1.np	Method	AAT/NAP
Start	1	End	1856
GI	7452056	Score	218
Exons	1..51, 412..661, 1256..1591, 1675..1856		
GI Descrip.	hypothetical protein T29H11.100 - Arabidopsis thaliana gi|4678350|emb|CAB41160.1| (AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	46787	Seq. ID	OJ000207_15.0315.C16
Gene No.	99386	Strand	-
Start	1	End	1876
Name	OJ000207_15.0315.C16.o1.gs	Method	GENSCAN
Start	411	End	1876
GI	none	Score	.96
Exons	411..661, 1256..1591, 1675..1876		

Seq. No.	46787	Seq. ID	OJ000207_15.0315.C16
Gene No.	99387	Strand	-
Start	2860	End	3739
Name	OJ000207_15.0315.C16.o1.tm	Method	TBLASTX:Maize
Start	1413	End	1822
GI	none	Score	73
Exons	1413..1511, 1414..1476, 1416..1511, 1530..1595, 1533..1595, 1555..1596, 1676..1780, 1722..1799, 1790..1822		

Seq. No.	46787	Seq. ID	OJ000207_15.0315.C16
Gene No.	99387	Strand	-
Start	2860	End	3739
Name	OJ000207_15.0315.C16.o2.gs	Method	GENSCAN
Start	2860	End	3739
GI	none	Score	.56

Exons	2860..2917, 3663..3739		
Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99388	Strand	+
Start	252	End	880
Name	OJ000207_15.0315.C17.o1.gs	Method	GENSCAN
Start	252	End	880
GI	none	Score	.55
Exons	252..458, 590..880		
Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99389	Strand	+
Start	1182	End	3483
Name	OJ000207_15.0315.C17.o1.np	Method	AAT/NAP
Start	1173	End	2941
GI	4884524	Score	561
Exons	1173..1256, 2589..2941		
GI Descrip.	(AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]		
Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99389	Strand	+
Start	1182	End	3483
Name	OJ000207_15.0315.C17.o2.gs	Method	GENSCAN
Start	1182	End	3173
GI	none	Score	.81
Exons	1182..1272, 1805..2021, 2184..2229, 2610..2785, 2806..3012, 3014..3173		
Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99389	Strand	+
Start	1182	End	3483
Name	OJ000207_15.0315.C17.o2.np	Method	AAT/NAP
Start	1431	End	3483
GI	6006372	Score	86
Exons	1431..1502, 3349..3483		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99389	Strand	+
Start	1182	End	3483
Name	OJ000207_15.0315.C17.o1.tc	Method	TBLASTX:Cress
Start	2592	End	3007
GI	none	Score	74
Exons	2592..2708, 2738..2881, 2921..3007		
Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99389	Strand	+
Start	1182	End	3483
Name	OJ000207_15.0315.C17.o1.ts	Method	TBLASTX:Soybean
Start	2592	End	3007
GI	none	Score	84
Exons	2592..2708, 2738..2881, 2752..2826, 2930..3007, 2932..2997		
Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99389	Strand	+
Start	1182	End	3483

Name	OJ000207_15.0315.C17.o1.tm	Method	TBLASTX:Maize
Start	2595	End	2869
GI	none	Score	125
Exons	2595..2705, 2597..2683, 2713..2802, 2714..2803, 2810..2869		

Seq. No.	46788	Seq. ID	OJ000207_15.0315.C17
Gene No.	99389	Strand	+
Start	1182	End	3483
Name	OJ000207_15.0315.C17.o1.tw	Method	TBLASTX:Wheat
Start	2595	End	2803
GI	none	Score	105
Exons	2595..2696, 2609..2695, 2714..2803, 2714..2773, 2716..2802		

Seq. No.	46789	Seq. ID	OJ000207_15.0315.C18
Gene No.	99390	Strand	+
Start	62	End	174
Name	OJ000207_15.0315.C18.o1.gs	Method	GENSCAN
Start	62	End	174
GI	none	Score	.63
Exons	62..174		

Seq. No.	46789	Seq. ID	OJ000207_15.0315.C18
Gene No.	99391	Strand	-
Start	1	End	1160
Name	OJ000207_15.0315.C18.o1.np	Method	AAT/NAP
Start	1	End	1160
GI	7363272	Score	154
Exons	1..339, 1041..1160		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	46789	Seq. ID	OJ000207_15.0315.C18
Gene No.	99392	Strand	-
Start	1080	End	1228
Name	OJ000207_15.0315.C18.o2.gs	Method	GENSCAN
Start	1080	End	1228
GI	none	Score	.5
Exons	1080..1228		

Seq. No.	46789	Seq. ID	OJ000207_15.0315.C18
Gene No.	99393	Strand	-
Start	2882	End	3094
Name	OJ000207_15.0315.C18.o2.np	Method	AAT/NAP
Start	2882	End	3094
GI	6815053	Score	242
Exons	2882..3094		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46790	Seq. ID	OJ000207_15.0315.C19
Gene No.	99394	Strand	-
Start	1	End	333
Name	OJ000207_15.0315.C19.o1.np	Method	AAT/NAP
Start	1	End	333
GI	6721516	Score	251
Exons	1..333		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46790	Seq. ID	OJ000207_15.0315.C19

Gene No.	99395	Strand	-
Start	836	End	1075
Name	OJ000207_15.0315.C19.o1.gs	Method	GENSCAN
Start	836	End	1075
GI	none	Score	.58
Exons	836..930, 989..1075		

Seq. No.	46790	Seq. ID	OJ000207_15.0315.C19
Gene No.	99395	Strand	-
Start	836	End	1075
Name	OJ000207_15.0315.C19.o2.np	Method	AAT/NAP
Start	839	End	993
GI	7363271	Score	120
Exons	839..993		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	46791	Seq. ID	OJ000207_14.0315.C1
Gene No.	99396	Strand	+
Start	1	End	11889
Name	OJ000207_14.0315.C1.o1.np	Method	AAT/NAP
Start	1	End	11889
GI	81286	Score	230
Exons	1..243, 6343..6739, 11332..11465, 11654..11889		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	46791	Seq. ID	OJ000207_14.0315.C1
Gene No.	99397	Strand	-
Start	12782	End	18657
Name	OJ000207_14.0315.C1.o3.gs	Method	GENSCAN
Start	12782	End	18657
GI	none	Score	.67
Exons	12782..13420, 14953..15127, 15456..15584, 15635..15670, 16630..16673, 18457..18657		

Seq. No.	46791	Seq. ID	OJ000207_14.0315.C1
Gene No.	99398	Strand	-
Start	19896	End	27667
Name	OJ000207_14.0315.C1.o4.gs	Method	GENSCAN
Start	19896	End	27667
GI	none	Score	.64
Exons	19896..20016, 24047..24145, 24285..24449, 24469..24522, 25131..25355, 27603..27667		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99399	Strand	-
Start	2076	End	3564
Name	OJ000207_14.0315.C2.o1.np	Method	AAT/NAP
Start	2076	End	3564
GI	7228450	Score	164
Exons	2076..2191, 2277..2390, 2529..2614, 3456..3564		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99400	Strand	-
Start	5715	End	5796
Name	OJ000207_14.0315.C2.o1.gp	Method	AAT/GAP

Start	5715	End	5796
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	5715..5796		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o1.tc	Method	TBLASTX:Cress
Start	8201	End	8680
GI	none	Score	124
Exons	8201..8440, 8205..8438, 8210..8446, 8454..8552, 8456..8554, 8556..8645, 8567..8680		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o2.np	Method	AAT/NAP
Start	8204	End	9241
GI	7523404	Score	1062
Exons	8204..9241		
GI Descrip.	(AL138648) putative protein [Arabidopsis thaliana]		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o2.tm	Method	TBLASTX:Maize
Start	8204	End	8509
GI	none	Score	374
Exons	8204..8509, 8205..8483		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o1.ts	Method	TBLASTX:Soybean
Start	8462	End	8897
GI	none	Score	100
Exons	8462..8617, 8462..8896, 8463..8897		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o3.tm	Method	TBLASTX:Maize
Start	8510	End	8713
GI	none	Score	72
Exons	8510..8569, 8511..8570, 8555..8713, 8562..8708, 8563..8709		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	8718	End	9271
GI	none	Score	684
Exons	8718..9263, 8720..9262, 8723..9271		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o2.ts	Method	TBLASTX:Soybean
Start	8905	End	9244
GI	none	Score	177
Exons	8905..9240, 8906..9244, 8907..9080, 9105..9242		

Seq. No.	46792	Seq. ID	OJ000207_14.0315.C2
Gene No.	99401	Strand	-
Start	8204	End	9271
Name	OJ000207_14.0315.C2.o2.tc	Method	TBLASTX:Cress
Start	9012	End	9256
GI	none	Score	130
Exons	9012..9245, 9020..9256		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99402	Strand	+
Start	2166	End	9166
Name	OJ000207_14.0315.C3.o1.gs	Method	GENSCAN
Start	2166	End	9040
GI	none	Score	.55
Exons	2166..2202, 2646..2851, 3153..3241, 3508..3912, 4314..4632, 4987..5218, 5612..5795, 5917..6104, 6183..7870, 8187..8310, 8589..9040		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99402	Strand	+
Start	2166	End	9166
Name	OJ000207_14.0315.C3.o1.np	Method	AAT/NAP
Start	3062	End	4743
GI	6539588	Score	243
Exons	3062..3376, 4693..4743		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99402	Strand	+
Start	2166	End	9166
Name	OJ000207_14.0315.C3.o3.np	Method	AAT/NAP
Start	5945	End	9166
GI	7489803	Score	2270
Exons	5945..7256, 7302..9166		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99403	Strand	+
Start	15163	End	25978
Name	OJ000207_14.0315.C3.o5.np	Method	AAT/NAP
Start	15163	End	16600
GI	7523502	Score	174
Exons	15163..15256, 15548..15776, 16510..16600		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99403	Strand	+

Start	15163	End	25978
Name	OJ000207_14.0315.C3.o3.gs	Method	GENSCAN
Start	15469	End	25171
GI	none	Score	.8
Exons	15469..15596, 16452..16628, 17140..17396, 17432..17629, 18576..18704, 19150..19335, 19419..19568, 19667..19816, 19951..20589, 20666..20728, 20813..21205, 21245..21718, 21806..23146, 23214..23542, 23585..25171		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99403	Strand	+
Start	15163	End	25978
Name	OJ000207_14.0315.C3.o2.gp	Method	AAT/GAP
Start	19172	End	25978
GI	none	Score	1098
Exons	19172..19335, 19419..19568, 19667..19816, 25854..25978		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99403	Strand	+
Start	15163	End	25978
Name	OJ000207_14.0315.C3.o6.np	Method	AAT/NAP
Start	20248	End	25194
GI	4585985	Score	1732
Exons	20248..20289, 21080..21513, 21862..23630, 23859..25036, 25112..25194		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o4.tw	Method	TBLASTX:Wheat
Start	6371	End	6928
GI	none	Score	104
Exons	6371..6601, 6641..6928, 6749..6922, 6754..6927		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o3.tm	Method	TBLASTX:Maize
Start	6596	End	7231
GI	none	Score	81
Exons	6596..6661, 6601..6663, 6662..7084, 6701..6979, 6748..7083, 7079..7231		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o3.ts	Method	TBLASTX:Soybean
Start	6770	End	7231
GI	none	Score	223
Exons	6770..7081, 6787..7074, 7094..7222, 7103..7231		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o3.tc	Method	TBLASTX:Cress
Start	6787	End	7225

GI	none	Score	141
Exons	6787..6873, 6788..7078, 7094..7225		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o1.ts	Method	TBLASTX:Soybean
Start	7607	End	8157
GI	5509260	Score	634
Exons	7607..7846, 7616..8152, 7633..8157		
GI Descrip.	-		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o2.tw	Method	TBLASTX:Wheat
Start	7673	End	8149
GI	none	Score	83
Exons	7673..7762, 7691..7756, 7742..8143, 7804..7941, 7941..8144, 7963..8133, 7970..8149		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o1.tc	Method	TBLASTX:Cress
Start	7777	End	8038
GI	none	Score	226
Exons	7777..8037, 7778..8038		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o4.tm	Method	TBLASTX:Maize
Start	7819	End	8155
GI	none	Score	404
Exons	7819..8154, 7820..8155		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o6.tw	Method	TBLASTX:Wheat
Start	8316	End	8746
GI	none	Score	99
Exons	8316..8474, 8490..8567, 8573..8746		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o1.tm	Method	TBLASTX:Maize
Start	8469	End	9139
GI	none	Score	126
Exons	8469..8588, 8501..8578, 8588..9139, 8608..9138		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o2.ts	Method	TBLASTX:Soybean

Start	8511	End	9196
GI	none	Score	75
Exons	8511..8585, 8594..8899, 8701..8856, 8918..9196, 8932..9003		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o7.tw	Method	TBLASTX:Wheat
Start	8783	End	9103
GI	none	Score	79
Exons	8783..8899, 8912..9103, 8927..9103		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o4.np	Method	AAT/NAP
Start	10595	End	14939
GI	6815052	Score	1766
Exons	10595..10713, 10993..11067, 11149..11881, 11930..12079, 12859..12951, 13819..13918, 14216..14317, 14619..14707, 14786..14939		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o5.tw	Method	TBLASTX:Wheat
Start	12140	End	12634
GI	none	Score	82
Exons	12140..12430, 12147..12431, 12455..12613, 12455..12634		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99404	Strand	-
Start	10595	End	14939
Name	OJ000207_14.0315.C3.o5.ts	Method	TBLASTX:Soybean
Start	12242	End	12616
GI	none	Score	101
Exons	12242..12436, 12431..12616		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99405	Strand	
Start	21928	End	22395
Name	OJ000207_14.0315.C3.o1.tw	Method	TBLASTX:Wheat
Start	21928	End	22352
GI	none	Score	525
Exons	21928..22350, 21928..22350, 21975..22352		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99405	Strand	
Start	21928	End	22395
Name	OJ000207_14.0315.C3.o6.tm	Method	TBLASTX:Maize
Start	21934	End	22395
GI	none	Score	172
Exons	21934..22212, 22213..22395		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99406	Strand	

Start	23243	End	23653
Name	OJ000207_14.0315.C3.o5.tm	Method	TBLASTX:Maize
Start	23243	End	23653
GI	none	Score	397
Exons	23243..23653, 23245..23619		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99407	Strand	
Start	23995	End	24268
Name	OJ000207_14.0315.C3.o7.tm	Method	TBLASTX:Maize
Start	23995	End	24268
GI	none	Score	97
Exons	23995..24099, 23996..24100, 24112..24228, 24113..24268		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99408	Strand	
Start	24338	End	24921
Name	OJ000207_14.0315.C3.o3.tw	Method	TBLASTX:Wheat
Start	24338	End	24724
GI	none	Score	157
Exons	24338..24496, 24340..24495, 24499..24723, 24500..24724		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99408	Strand	
Start	24338	End	24921
Name	OJ000207_14.0315.C3.o2.tm	Method	TBLASTX:Maize
Start	24562	End	24921
GI	none	Score	563
Exons	24562..24921, 24563..24919		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99408	Strand	
Start	24338	End	24921
Name	OJ000207_14.0315.C3.o2.tc	Method	TBLASTX:Cress
Start	24596	End	24844
GI	none	Score	213
Exons	24596..24844, 24601..24801		

Seq. No.	46793	Seq. ID	OJ000207_14.0315.C3
Gene No.	99408	Strand	
Start	24338	End	24921
Name	OJ000207_14.0315.C3.o4.ts	Method	TBLASTX:Soybean
Start	24598	End	24772
GI	none	Score	195
Exons	24598..24768, 24599..24772		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99409	Strand	+
Start	1	End	92
Name	OJ000207_14.0315.C4.o1.gp	Method	AAT/GAP
Start	1	End	92
GI	none	Score	156
Exons	1..92		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99410	Strand	+
Start	1164	End	2903

Name	OJ000207_14.0315.C4.o1.gs	Method	GENSCAN
Start	1164	End	2903
GI	none	Score	.79
Exons	1164..1261, 1619..1760, 2401..2435, 2519..2643, 2731..2903		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99411	Strand	+
Start	3361	End	5717
Name	OJ000207_14.0315.C4.o2.gs	Method	GENSCAN
Start	3361	End	5717
GI	none	Score	.71
Exons	3361..3421, 3572..3704, 3916..4054, 4212..4282, 4474..4615, 5055..5151, 5458..5717		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99412	Strand	+
Start	6795	End	6877
Name	OJ000207_14.0315.C4.o2.gp	Method	AAT/GAP
Start	6795	End	6877
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	6795..6877		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99413	Strand	+
Start	7507	End	10192
Name	OJ000207_14.0315.C4.o4.gs	Method	GENSCAN
Start	7507	End	10192
GI	none	Score	.8
Exons	7507..7651, 7920..8068, 8158..8331, 8439..8564, 8605..8786, 8879..8981, 9061..9356, 9430..9628, 9754..9861, 9932..10192		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99414	Strand	+
Start	15029	End	17408
Name	OJ000207_14.0315.C4.o1.np	Method	AAT/NAP
Start	15029	End	17408
GI	6705984	Score	429
Exons	15029..15910, 17389..17408		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99414	Strand	+
Start	15029	End	17408
Name	OJ000207_14.0315.C4.o2.np	Method	AAT/NAP
Start	15821	End	17408
GI	6498436	Score	342
Exons	15821..16042, 16091..16593, 16693..16817, 17390..17408		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99415	Strand	-
Start	6388	End	7165
Name	OJ000207_14.0315.C4.o3.gs	Method	GENSCAN
Start	6388	End	7165

GI	none	Score	.84
Exons	6388..6755, 7132..7165		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99416	Strand	-
Start	10799	End	11214
Name	OJ000207_14.0315.C4.o5.gs	Method	GENSCAN
Start	10799	End	11214
GI	none	Score	.7
Exons	10799..10860, 11142..11214		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99417	Strand	-
Start	11868	End	14211
Name	OJ000207_14.0315.C4.o6.gs	Method	GENSCAN
Start	11868	End	14211
GI	none	Score	.88
Exons	11868..12445, 13105..13155, 14199..14211		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99418	Strand	
Start	15018	End	15550
Name	OJ000207_14.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	15018	End	15217
GI	none	Score	65
Exons	15018..15158, 15034..15216, 15035..15217		

Seq. No.	46794	Seq. ID	OJ000207_14.0315.C4
Gene No.	99418	Strand	
Start	15018	End	15550
Name	OJ000207_14.0315.C4.o1.tw	Method	TBLASTX:Wheat
Start	15052	End	15550
GI	none	Score	328
Exons	15052..15510, 15053..15550		

Seq. No.	46795	Seq. ID	OJ000207_14.0315.C5
Gene No.	99419	Strand	+
Start	216	End	478
Name	OJ000207_14.0315.C5.o1.gs	Method	GENSCAN
Start	216	End	478
GI	none	Score	.44
Exons	216..326, 375..478		

Seq. No.	46795	Seq. ID	OJ000207_14.0315.C5
Gene No.	99420	Strand	-
Start	1661	End	2133
Name	OJ000207_14.0315.C5.o2.gs	Method	GENSCAN
Start	1661	End	2133
GI	none	Score	.89
Exons	1661..1754, 2042..2133		

Seq. No.	46795	Seq. ID	OJ000207_14.0315.C5
Gene No.	99421	Strand	-
Start	3035	End	3408
Name	OJ000207_14.0315.C5.o3.gs	Method	GENSCAN
Start	3035	End	3408
GI	none	Score	.77

Exons	3035..3408		
Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99422	Strand	-
Start	2860	End	4158
Name	OJ000207_14.0315.C6.o1.np	Method	AAT/NAP
Start	1959	End	3792
GI	4006874	Score	358
Exons	1959..2123, 2619..2714, 2795..2836, 2959..3198, 3649..3792		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana] gi|7270651|emb|CAB80368.1| (AL161590) putative protein [Arabidopsis thaliana]		
Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99422	Strand	-
Start	2860	End	4158
Name	OJ000207_14.0315.C6.o2.gs	Method	GENSCAN
Start	2860	End	4158
GI	none	Score	.99
Exons	2860..2868, 2959..3198, 3649..3789, 3919..3967, 4079..4158		
Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	2497	End	4144
GI	none	Score	49
Exons	2497..2538, 2616..2726, 2619..2720, 2797..2838, 2798..2839, 2799..2837, 2948..3058, 2950..3117, 2950..3117, 3112..3198, 3127..3198, 3649..3801, 3653..3802, 3919..3969, 3920..3970, 4097..4144		
Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o1.gp	Method	AAT/GAP
Start	5180	End	5492
GI	14250_1.R1084	Score	561
Exons	5180..5492		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 4.0e-10 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o2.np	Method	AAT/NAP
Start	5427	End	7567
GI	6358509	Score	386
Exons	5427..5488, 6412..6514, 6630..6782, 6954..6981, 7263..7299, 7412..7567		
GI Descrip.	(AF072519) centrin [Nicotiana tabacum]		
Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o2.tm	Method	TBLASTX:Maize
Start	5430	End	7505

GI	none	Score	63
Exons	5430..5489, 6410..6511, 6410..6523, 6630..6800, 6703..6783, 6705..6818, 7211..7300, 7230..7301, 7407..7505, 7411..7473		

Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o3.gs	Method	GENSCAN
Start	5450	End	7595
GI	none	Score	.84
Exons	5450..5488, 6073..6155, 6412..6514, 6630..6894, 7263..7299, 7412..7595		

Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o1.tc	Method	TBLASTX:Cress
Start	6413	End	7505
GI	none	Score	98
Exons	6413..6523, 6630..6800, 6703..6783, 6705..6782, 7211..7300, 7230..7301, 7407..7505, 7411..7476		

Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	6413	End	7484
GI	none	Score	89
Exons	6413..6526, 6630..6800, 6703..6783, 7211..7300, 7407..7484, 7411..7473		

Seq. No.	46796	Seq. ID	OJ000207_14.0315.C6
Gene No.	99423	Strand	-
Start	5450	End	8220
Name	OJ000207_14.0315.C6.o2.gp	Method	AAT/GAP
Start	7236	End	8220
GI	none	Score	660
Exons	7236..7299, 7412..7589, 8059..8220		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99424	Strand	+
Start	391	End	968
Name	OJ000207_14.0315.C7.o1.gs	Method	GENSCAN
Start	391	End	968
GI	none	Score	.7
Exons	391..537, 863..968		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99425	Strand	+
Start	2119	End	2462
Name	OJ000207_14.0315.C7.o1.gp	Method	AAT/GAP
Start	2119	End	2462
GI	none	Score	543
Exons	2119..2462		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99426	Strand	+

Start	5060	End	7003
Name	OJ000207_14.0315.C7.o2.np	Method	AAT/NAP
Start	5060	End	7003
GI	6996258	Score	105
Exons	5060..5138, 6709..6849, 6876..7003		
GI Descrip.	(AL138657) putative protein [Arabidopsis thaliana]		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99427	Strand	-
Start	2224	End	4962
Name	OJ000207_14.0315.C7.o1.np	Method	AAT/NAP
Start	2221	End	2835
GI	7271245	Score	845
Exons	2221..2835		
GI Descrip.	(AJ243066) red chlorophyll catabolite reductase [Hordeum vulgare]		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99427	Strand	-
Start	2224	End	4962
Name	OJ000207_14.0315.C7.o2.gs	Method	GENSCAN
Start	2224	End	4962
GI	none	Score	.48
Exons	2224..2516, 2598..2835, 3571..3828, 4849..4962		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99427	Strand	-
Start	2224	End	4962
Name	OJ000207_14.0315.C7.o1.tm	Method	TBLASTX:Maize
Start	2226	End	2793
GI	none	Score	172
Exons	2226..2495, 2227..2553, 2228..2554, 2543..2629, 2545..2793, 2554..2784, 2687..2791		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99427	Strand	-
Start	2224	End	4962
Name	OJ000207_14.0315.C7.o1.ts	Method	TBLASTX:Soybean
Start	2230	End	2640
GI	none	Score	155
Exons	2230..2637, 2231..2626, 2500..2640		

Seq. No.	46797	Seq. ID	OJ000207_14.0315.C7
Gene No.	99428	Strand	
Start	6706	End	7001
Name	OJ000207_14.0315.C7.o2.tm	Method	TBLASTX:Maize
Start	6706	End	7001
GI	none	Score	128
Exons	6706..6867, 6839..6973, 6873..7001		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99429	Strand	+
Start	1	End	13461
Name	OJ000207_14.0315.C8.o2.np	Method	AAT/NAP
Start	1	End	13461
GI	5821153	Score	192
Exons	1..28, 3083..3482, 9428..9725, 11570..11789, 13268..13461		

GI Descrip. (AB016092) RNA binding protein [Homo sapiens]

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99429	Strand	+
Start	1	End	13461
Name	OJ000207_14.0315.C8.o1.gs	Method	GENSCAN
Start	657	End	806
GI	none	Score	.73
Exons	657..806		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99429	Strand	+
Start	1	End	13461
Name	OJ000207_14.0315.C8.o1.gp	Method	AAT/GAP
Start	1618	End	1984
GI	none	Score	722
Exons	1618..1984		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99429	Strand	+
Start	1	End	13461
Name	OJ000207_14.0315.C8.o2.gp	Method	AAT/GAP
Start	10454	End	10529
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	10454..10529		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99430	Strand	+
Start	16368	End	18172
Name	OJ000207_14.0315.C8.o3.np	Method	AAT/NAP
Start	16368	End	18172
GI	6721512	Score	57
Exons	16368..16391, 17983..18074, 18102..18172		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99431	Strand	+
Start	18917	End	21047
Name	OJ000207_14.0315.C8.o4.np	Method	AAT/NAP
Start	18917	End	20928
GI	6721558	Score	225
Exons	18917..19016, 19717..19841, 20722..20928		

GI Descrip. (AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99431	Strand	+
Start	18917	End	21047
Name	OJ000207_14.0315.C8.o5.np	Method	AAT/NAP
Start	19252	End	21047
GI	6721561	Score	972
Exons	19252..19320, 19908..20087, 20155..20213, 20285..21047		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the

predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99432	Strand	+
Start	27204	End	30526
Name	OJ000207_14.0315.C8.o7.np	Method	AAT/NAP
Start	27204	End	30526
GI	6721512	Score	56
Exons	27204..27258, 28805..28910, 28938..29078, 30503..30526		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99433	Strand	-
Start	1740	End	3274
Name	OJ000207_14.0315.C8.o2.gs	Method	GENSCAN
Start	1740	End	3274
GI	none	Score	.94
Exons	1740..2357, 3095..3274		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99433	Strand	-
Start	1740	End	3274
Name	OJ000207_14.0315.C8.o1.np	Method	AAT/NAP
Start	1743	End	2357
GI	7271245	Score	852
Exons	1743..2357		
GI Descrip.	(AJ243066) red chlorophyll catabolite reductase [Hordeum vulgare]		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99434	Strand	-
Start	7328	End	9660
Name	OJ000207_14.0315.C8.o3.gs	Method	GENSCAN
Start	7328	End	9660
GI	none	Score	.99
Exons	7328..7966, 9421..9660		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99435	Strand	-
Start	10900	End	13423
Name	OJ000207_14.0315.C8.o4.gs	Method	GENSCAN
Start	10900	End	13423
GI	none	Score	.51
Exons	10900..10980, 11560..11717, 11905..11980, 12487..12754, 13314..13423		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99435	Strand	-
Start	10900	End	13423
Name	OJ000207_14.0315.C8.o3.gp	Method	AAT/GAP
Start	11567	End	11658
GI	2799534	Score	104
Exons	11567..11658		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o1.tm	Method	TBLASTX:Maize
Start	1737	End	7912
GI	none	Score	275
Exons	1737..2075, 1747..2076, 2065..2151, 2067..2315, 2076..2306, 2209..2313, 7601..7657, 7658..7717, 7712..7912		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o2.ts	Method	TBLASTX:Soybean
Start	1743	End	7714
GI	none	Score	161
Exons	1743..2159, 1744..2148, 2022..2162, 7511..7597, 7601..7714		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o5.tm	Method	TBLASTX:Maize
Start	16015	End	16390
GI	none	Score	107
Exons	16015..16203, 16016..16129, 16017..16205, 16248..16379, 16294..16377, 16301..16390		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o6.gs	Method	GENSCAN
Start	22506	End	30361
GI	none	Score	.57
Exons	22506..22960, 23018..23414, 23447..25129, 25154..25690, 25805..26471, 26480..28847, 30292..30361		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o6.np	Method	AAT/NAP
Start	22509	End	28908
GI	7228457	Score	3232
Exons	22509..24046, 24113..25777, 25832..27380, 28859..28908		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o3.tw	Method	TBLASTX:Wheat
Start	22518	End	23127
GI	none	Score	74
Exons	22518..22649, 22519..22644, 22674..23126, 22870..22977, 22936..23127, 23026..23112		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-

Start	22506	End	30361
Name	OJ000207_14.0315.C8.o6.tm	Method	TBLASTX:Maize
Start	22554	End	22802
GI	none	Score	148
Exons	22554..22637, 22638..22802		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o5.tw	Method	TBLASTX:Wheat
Start	23250	End	23632
GI	none	Score	45
Exons	23250..23294, 23251..23292, 23291..23632, 23316..23624		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o3.tm	Method	TBLASTX:Maize
Start	23309	End	23632
GI	none	Score	182
Exons	23309..23632, 23328..23615		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o8.tw	Method	TBLASTX:Wheat
Start	23837	End	24095
GI	none	Score	70
Exons	23837..24094, 23964..24095		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o6.tw	Method	TBLASTX:Wheat
Start	24134	End	24542
GI	none	Score	51
Exons	24134..24199, 24134..24307, 24315..24542, 24317..24541		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o1.ts	Method	TBLASTX:Soybean
Start	24632	End	25057
GI	none	Score	118
Exons	24632..25057, 24693..24998		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o2.tw	Method	TBLASTX:Wheat
Start	24687	End	25111
GI	none	Score	224
Exons	24687..25001, 24689..25111, 24707..25066, 24709..25071		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361

Name	OJ000207_14.0315.C8.o4.tm	Method	TBLASTX:Maize
Start	24785	End	25168
GI	none	Score	117
Exons	24785..25168, 24786..25001		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o2.tm	Method	TBLASTX:Maize
Start	25196	End	25552
GI	none	Score	229
Exons	25196..25552, 25209..25490, 25322..25498		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o1.tw	Method	TBLASTX:Wheat
Start	25226	End	25681
GI	none	Score	396
Exons	25226..25681, 25227..25676		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o3.ts	Method	TBLASTX:Soybean
Start	25277	End	25642
GI	none	Score	111
Exons	25277..25411, 25418..25642		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o4.tw	Method	TBLASTX:Wheat
Start	25874	End	26329
GI	none	Score	151
Exons	25874..26110, 25884..26108, 26147..26329, 26220..26321		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o7.tw	Method	TBLASTX:Wheat
Start	26959	End	27357
GI	none	Score	103
Exons	26959..27234, 26960..27187, 26998..27228, 27193..27306, 27245..27295, 27307..27357		

Seq. No.	46798	Seq. ID	OJ000207_14.0315.C8
Gene No.	99436	Strand	-
Start	22506	End	30361
Name	OJ000207_14.0315.C8.o7.tm	Method	TBLASTX:Maize
Start	27073	End	27312
GI	none	Score	187
Exons	27073..27312		

Seq. No.	46799	Seq. ID	OJ000207_14.0315.C9
Gene No.	99437	Strand	-
Start	1344	End	6689

Name	OJ000207_14.0315.C9.o1.np	Method	AAT/NAP
Start	1344	End	6689
GI	6063557	Score	258
Exons	1344..1397, 4600..4752, 5001..5190, 6648..6689		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o1.np	Method	AAT/NAP
Start	1	End	3231
GI	7489783	Score	1924
Exons	1..117, 229..359, 541..676, 902..1173, 1553..1842, 1933..2234, 2308..2373, 2455..2520, 2596..2667, 2804..2875, 2962..3033, 3156..3231		
GI Descrip.	leucine-rich repeat transmembrane protein kinase 1 - maize (fragment) gi|3360289|gb|AAC27894.1| (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	2273
GI	none	Score	176
Exons	1..120, 3..119, 229..363, 231..359, 526..675, 533..676, 540..728, 695..727, 854..1174, 899..1174, 901..1176, 1542..1718, 1542..1721, 1684..1734, 1686..1844, 1736..1843, 1933..2010, 1933..2010, 1934..2014, 1935..2051, 2007..2129, 2047..2130, 2207..2236, 2208..2273		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1702
GI	none	Score	101
Exons	1..132, 3..119, 229..348, 231..353, 231..356, 550..675, 553..669, 557..676, 695..727, 899..1102, 899..1102, 901..1116, 928..1110, 1105..1176, 1548..1697, 1548..1700, 1550..1702		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o2.tw	Method	TBLASTX:Wheat
Start	12	End	342
GI	none	Score	109
Exons	12..116, 228..341, 244..342		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o1.gs	Method	GENSCAN
Start	39	End	3033
GI	none	Score	.87
Exons	39..117, 229..359, 541..676, 902..1173, 1553..1842, 1933..2234, 2308..2373, 2455..2520, 2962..3033		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o2.tc	Method	TBLASTX:Cress
Start	42	End	342
GI	none	Score	68
Exons	42..119, 52..132, 229..342, 231..341		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o1.tc	Method	TBLASTX:Cress
Start	569	End	1766
GI	none	Score	82
Exons	569..676, 571..675, 899..1174, 901..1176, 1548..1766, 1548..1673, 1550..1765		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o1.gp	Method	AAT/GAP
Start	939	End	2015
GI	23700_1.R1084	Score	1153
Exons	939..1173, 1553..1842, 1933..2015		
GI Descrip.	'3360289 1.0e-48 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]'		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o2.gp	Method	AAT/GAP
Start	2132	End	3033
GI	30231_1.R1084	Score	779
Exons	2132..2234, 2308..2373, 2455..2520, 2596..2667, 2804..2875, 2962..3033		
GI Descrip.	'3360291 1.0e-102 (AF023165) leucine-rich repeat transmembrane protein kinase 2 [Zea mays]'		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o2.tm	Method	TBLASTX:Maize
Start	2132	End	2667
GI	none	Score	90
Exons	2132..2167, 2307..2372, 2311..2373, 2451..2519, 2452..2526, 2456..2518, 2464..2520, 2487..2525, 2593..2667, 2593..2655, 2594..2659, 2628..2666		

Seq. No.	46800	Seq. ID	OJ000207_14.0315.C10
Gene No.	99438	Strand	-
Start	1	End	3231
Name	OJ000207_14.0315.C10.o1.tw	Method	TBLASTX:Wheat
Start	2207	End	2874
GI	none	Score	85
Exons	2207..2272, 2307..2372, 2309..2383, 2311..2373, 2451..2519, 2452..2526, 2456..2518, 2487..2525, 2593..2667, 2628..2666,		

2792..2863, 2792..2863, 2821..2871, 2830..2874

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99439	Strand	+
Start	2563	End	3220
Name	OJ000207_10.0314.C1.o1.np	Method	AAT/NAP
Start	2563	End	3220
GI	5295967	Score	263
Exons	2563..3220		
GI Descrip.	(AB026295) Similar to Lycopersicon esculentum pT53 mRNA for wound-repressed gene, partial cds.(X59883) [Oryza sativa]		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99440	Strand	+
Start	10632	End	10821
Name	OJ000207_10.0314.C1.o2.np	Method	AAT/NAP
Start	10632	End	10821
GI	6069646	Score	88
Exons	10632..10821		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99441	Strand	+
Start	11396	End	12007
Name	OJ000207_10.0314.C1.o1.gp	Method	AAT/GAP
Start	11396	End	12007
GI	5142_1.R1084	Score	1193
Exons	11396..12007		
GI Descrip.	'4835757/gb|AAD30224.1|AC007202_6 6.0e-18 (AC007202) EST gb_AA404917 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99442	Strand	+
Start	14846	End	16141
Name	OJ000207_10.0314.C1.o3.gs	Method	GENSCAN
Start	14846	End	16141
GI	none	Score	.93
Exons	14846..14983, 15294..15486, 15966..16141		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99443	Strand	-
Start	2213	End	8881
Name	OJ000207_10.0314.C1.o1.gs	Method	GENSCAN
Start	2213	End	8881
GI	none	Score	.54
Exons	2213..2245, 2493..2668, 2976..3151, 4077..4106, 4801..5007, 8592..8881		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o2.gs	Method	GENSCAN
Start	10284	End	13253

GI	none	Score	.9
Exons	10284..10333, 11799..12171, 12211..12441, 12810..13055, 13203..13253		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o1.tm	Method	TBLASTX:Maize
Start	11782	End	12891
GI	none	Score	415
Exons	11782..11895, 11788..12159, 11790..12137, 12205..12444, 12212..12442, 12541..12618, 12542..12619, 12542..12622, 12802..12891, 12810..12890		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o3.np	Method	AAT/NAP
Start	11799	End	18375
GI	4966352	Score	1148
Exons	11799..12137, 12211..12418, 12519..12618, 12810..13055, 13203..13318, 18193..18375		
GI Descrip.	(AC006341) >F3O9.11 [Arabidopsis thaliana]		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o1.ts	Method	TBLASTX:Soybean
Start	11808	End	12273
GI	none	Score	219
Exons	11808..12137, 11809..12159, 12205..12273		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o1.tc	Method	TBLASTX:Cress
Start	11919	End	12924
GI	none	Score	196
Exons	11919..12137, 11926..12159, 12205..12417, 12215..12400, 12220..12408, 12538..12618, 12805..12924, 12810..12896		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o2.gp	Method	AAT/GAP
Start	12271	End	18504
GI	6055_1.R1084	Score	1679
Exons	12271..12441, 12538..12618, 12810..13055, 13203..13318, 18202..18504		
GI Descrip.	'4966352/gb|AAD34683.1|AC006341_11 7.0e-58 (AC006341) >F3O9.11 [Arabidopsis thaliana]'		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o2.ts	Method	TBLASTX:Soybean
Start	12274	End	13055

GI	none	Score	90
Exons	12274..12408, 12274..12417, 12275..12415, 12538..12618, 12805..13038, 12805..13017, 12810..13055		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o2.tm	Method	TBLASTX:Maize
Start	13199	End	14784
GI	none	Score	88
Exons	13199..13315, 13200..13316, 13201..13320, 13203..13319, 14707..14784, 14708..14761		

Seq. No.	46801	Seq. ID	OJ000207_10.0314.C1
Gene No.	99444	Strand	-
Start	10284	End	18504
Name	OJ000207_10.0314.C1.o4.gs	Method	GENSCAN
Start	16992	End	17210
GI	none	Score	.83
Exons	16992..17210		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99445	Strand	+
Start	8502	End	12826
Name	OJ000207_10.0314.C2.o2.gs	Method	GENSCAN
Start	8502	End	12826
GI	none	Score	.85
Exons	8502..8746, 9009..9033, 9173..9863, 10809..12625, 12755..12826		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99445	Strand	+
Start	8502	End	12826
Name	OJ000207_10.0314.C2.o1.np	Method	AAT/NAP
Start	8535	End	12688
GI	4163997	Score	3086
Exons	8535..8746, 9205..9863, 10809..12688		
GI Descrip.	(AF087483) alpha-xylosidase precursor [Arabidopsis thaliana]		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99445	Strand	+
Start	8502	End	12826
Name	OJ000207_10.0314.C2.o1.gp	Method	AAT/GAP
Start	11752	End	12195
GI	2311478	Score	804
Exons	11752..12195		
GI Descrip.	5002212/gb|AAD37363.1|AF144078_1 1.0e-46 (AF144078) alpha-xylosidase precursor [Arabidopsis thaliana] >gi_5734722_gb_AAD49987.1_AC008075_20 (AC008075) Identical to gb_AF144078 alpha-xylosidase precursor from Arabidopsis thaliana. ESTs gb_W43892, gb_N96165, gb_T46694, gb_N37141, gb_R64965, gb_R90271, gb_AA651443, gb_AA712305, gb_T04189 and gb_AA597852 c		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99446	Strand	-
Start	12357	End	12857
Name	OJ000207_10.0314.C2.o2.gp	Method	AAT/GAP

Start	12357	End	12857
GI	40932_1.R1084	Score	949
Exons	12357..12857		
GI Descrip.	'5002212/gb|AAD37363.1|AF144078_1 4.0e-10 (AF144078) alpha-xylosidase precursor [Arabidopsis thaliana] >gi_5734722_gb_AAD49987.1_AC008075_20 (AC008075) Identical to gb_AF144078 alpha-xylosidase precursor from Arabidopsis thaliana. ESTs gb_W43892, gb_N96165, gb_T46694, gb_N37141, gb_R64965, gb_R90271, gb_AA651443, gb_AA712305, gb_T04189 and gb_AA597852 c'		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99447	Strand	-
Start	13225	End	14407
Name	OJ000207_10.0314.C2.o3.gs	Method	GENSCAN
Start	13225	End	14407
GI	none	Score	.9
Exons	13225..13340, 13367..13512, 14316..14407		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o3.tc	Method	TBLASTX:Cress
Start	9548	End	9865
GI	none	Score	454
Exons	9548..9865, 9553..9864		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o2.ts	Method	TBLASTX:Soybean
Start	9614	End	10924
GI	none	Score	395
Exons	9614..9865, 9616..9864, 9719..9871, 10804..10905, 10808..10924		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o3.tm	Method	TBLASTX:Maize
Start	9670	End	11003
GI	none	Score	341
Exons	9670..9864, 9671..9865, 9789..9872, 10807..11001, 10808..11002, 10959..11003		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o2.tc	Method	TBLASTX:Cress
Start	10783	End	11467
GI	none	Score	91
Exons	10783..11025, 10795..11310, 10808..11311, 11333..11467, 11333..11464, 11335..11466		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o1.tm	Method	TBLASTX:Maize

Start	11089	End	12102
GI	none	Score	187
Exons	11089..11187, 11090..11188, 11186..11584, 11187..11348, 11188..11577, 11188..12102, 11189..12100, 11983..12102		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o1.ts	Method	TBLASTX:Soybean
Start	11242	End	12679
GI	none	Score	73
Exons	11242..11301, 11243..11293, 11332..12270, 11333..12517, 12361..12516, 12569..12679		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o1.tc	Method	TBLASTX:Cress
Start	11525	End	12268
GI	none	Score	969
Exons	11525..12214, 11539..12213, 12206..12268, 12217..12267		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o2.tm	Method	TBLASTX:Maize
Start	12142	End	12708
GI	none	Score	614
Exons	12142..12555, 12143..12559, 12302..12559, 12525..12698, 12551..12700, 12604..12699, 12635..12703, 12652..12708		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o4.tc	Method	TBLASTX:Cress
Start	12302	End	12685
GI	none	Score	178
Exons	12302..12529, 12349..12489, 12596..12685, 12610..12684		

Seq. No.	46802	Seq. ID	OJ000207_10.0314.C2
Gene No.	99448	Strand	-
Start	19645	End	20122
Name	OJ000207_10.0314.C2.o5.gs	Method	GENSCAN
Start	19645	End	20122
GI	none	Score	.8
Exons	19645..19680, 20069..20122		

Seq. No.	46803	Seq. ID	OJ000207_10.0314.C3
Gene No.	99449	Strand	+
Start	120	End	297
Name	OJ000207_10.0314.C3.o1.gs	Method	GENSCAN
Start	120	End	297
GI	none	Score	.97
Exons	120..297		

Seq. No.	46803	Seq. ID	OJ000207_10.0314.C3
Gene No.	99450	Strand	-

Start	1818	End	2342
Name	OJ000207_10.0314.C3.o1.gp	Method	AAT/GAP
Start	1627	End	2058
GI	5607439	Score	843
Exons	1627..2058		

Seq. No.	46803	Seq. ID	OJ000207_10.0314.C3
Gene No.	99450	Strand	-
Start	1818	End	2342
Name	OJ000207_10.0314.C3.o2.gs	Method	GENSCAN
Start	1818	End	2342
GI	none	Score	1
Exons	1818..2342		

Seq. No.	46803	Seq. ID	OJ000207_10.0314.C3
Gene No.	99451	Strand	-
Start	2717	End	4042
Name	OJ000207_10.0314.C3.o1.tm	Method	TBLASTX:Maize
Start	1857	End	2103
GI	none	Score	143
Exons	1857..1985, 1858..1983, 1980..2075, 2073..2102, 2074..2103		

Seq. No.	46803	Seq. ID	OJ000207_10.0314.C3
Gene No.	99451	Strand	-
Start	2717	End	4042
Name	OJ000207_10.0314.C3.o3.gs	Method	GENSCAN
Start	2717	End	4042
GI	none	Score	.78
Exons	2717..2743, 2819..2961, 3957..4042		

Seq. No.	46804	Seq. ID	OJ000207_10.0314.C4
Gene No.	99452	Strand	-
Start	187	End	776
Name	OJ000207_10.0314.C4.o1.gs	Method	GENSCAN
Start	187	End	776
GI	none	Score	.76
Exons	187..279, 601..776		

Seq. No.	46805	Seq. ID	OJ000207_10.0314.C5
Gene No.	99453	Strand	-
Start	580	End	707
Name	OJ000207_10.0314.C5.o1.gp	Method	AAT/GAP
Start	580	End	707
GI	18989_1.R1084	Score	248
Exons	580..707		
GI Descrip.	'409007/bbs|132625 4.0e-32 BBI-M=Bowman-Birk trypsin inhibitor-related protein [Zea mays=corn, Peptide, 102 aa] >gi_447268_prf__1914141A trypsin inhibitor-related protein [Zea mays]'		

Seq. No.	46806	Seq. ID	OJ000207_10.0314.C6
Gene No.	99454	Strand	+
Start	310	End	5233
Name	OJ000207_10.0314.C6.o1.gs	Method	GENSCAN
Start	310	End	5213
GI	none	Score	.41
Exons	310..404, 890..933, 1451..1615, 1656..1831, 2197..2266,		

2272..2404, 4087..5213

Seq. No.	46806	Seq. ID	OJ000207_10.0314.C6
Gene No.	99454	Strand	+
Start	310	End	5233
Name	OJ000207_10.0314.C6.o1.np	Method	AAT/NAP
Start	4105	End	5233
GI	7488987	Score	176
Exons	4105..4604, 4665..4775, 4944..5233		
GI Descrip.	disease resistance protein D - tomato gi|4235641|gb|AAD13301.1| (AF119040) NLOD [Lycopersicon esculentum]		

Seq. No.	46806	Seq. ID	OJ000207_10.0314.C6
Gene No.	99455	Strand	-
Start	1	End	128
Name	OJ000207_10.0314.C6.o1.gp	Method	AAT/GAP
Start	1	End	128
GI	18989_1.R1084	Score	205
Exons	1..128		
GI Descrip.	'409007/bbs|132625 4.0e-32 BBI-M=Bowman-Birk trypsin inhibitor-related protein [Zea mays=corn, Peptide, 102 aa] >gi_447268_prf__1914141A trypsin inhibitor-related protein [Zea mays]'		

Seq. No.	46807	Seq. ID	OJ000207_10.0314.C9
Gene No.	99456	Strand	+
Start	117	End	198
Name	OJ000207_10.0314.C9.o1.gs	Method	GENSCAN
Start	117	End	198
GI	none	Score	.71
Exons	117..198		

Seq. No.	46807	Seq. ID	OJ000207_10.0314.C9
Gene No.	99457	Strand	-
Start	1365	End	5721
Name	OJ000207_10.0314.C9.o2.gs	Method	GENSCAN
Start	1365	End	5721
GI	none	Score	.76
Exons	1365..2098, 2188..2299, 2337..2447, 5519..5721		

Seq. No.	46807	Seq. ID	OJ000207_10.0314.C9
Gene No.	99457	Strand	-
Start	1365	End	5721
Name	OJ000207_10.0314.C9.o1.np	Method	AAT/NAP
Start	1383	End	2377
GI	4204277	Score	504
Exons	1383..1523, 1592..1687, 1842..2098, 2188..2377		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46807	Seq. ID	OJ000207_10.0314.C9
Gene No.	99457	Strand	-
Start	1365	End	5721
Name	OJ000207_10.0314.C9.o1.tc	Method	TBLASTX:Cress
Start	1962	End	2378
GI	none	Score	125
Exons	1962..2096, 1966..2097, 2184..2378, 2186..2377		

Seq. No.	46807	Seq. ID	OJ000207_10.0314.C9
Gene No.	99457	Strand	-
Start	1365	End	5721
Name	OJ000207_10.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	1962	End	2378
GI	none	Score	130
Exons	1962..2099, 1963..2100, 2003..2104, 2184..2378, 2189..2377		

Seq. No.	46807	Seq. ID	OJ000207_10.0314.C9
Gene No.	99457	Strand	-
Start	1365	End	5721
Name	OJ000207_10.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	1963	End	2364
GI	none	Score	125
Exons	1963..2172, 1971..2099, 2189..2362, 2190..2363, 2274..2363, 2275..2364		

Seq. No.	46807	Seq. ID	OJ000207_10.0314.C9
Gene No.	99457	Strand	-
Start	1365	End	5721
Name	OJ000207_10.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	2222	End	2402
GI	none	Score	157
Exons	2222..2371, 2226..2402, 2274..2372		

Seq. No.	46808	Seq. ID	OJ000207_10.0314.C10
Gene No.	99458	Strand	-
Start	50	End	900
Name	OJ000207_10.0314.C10.o1.gs	Method	GENSCAN
Start	50	End	900
GI	none	Score	.48
Exons	50..82, 793..900		

Seq. No.	46809	Seq. ID	OJ000207_10.0314.C11
Gene No.	99459	Strand	-
Start	656	End	1705
Name	OJ000207_10.0314.C11.o1.gs	Method	GENSCAN
Start	656	End	1705
GI	none	Score	.74
Exons	656..716, 1592..1705		

Seq. No.	46810	Seq. ID	OJ000207_10.0314.C12
Gene No.	99460	Strand	-
Start	378	End	1638
Name	OJ000207_10.0314.C12.o1.gs	Method	GENSCAN
Start	378	End	1638
GI	none	Score	.53
Exons	378..456, 805..928, 1533..1638		

Seq. No.	46811	Seq. ID	OJ000207_10.0314.C13
Gene No.	99461	Strand	+
Start	1	End	2117
Name	OJ000207_10.0314.C13.o1.gp	Method	AAT/GAP
Start	1	End	294
GI	none	Score	535
Exons	1..294		

Seq. No.	46811	Seq. ID	OJ000207_10.0314.C13
Gene No.	99461	Strand	+
Start	1	End	2117
Name	OJ000207_10.0314.C13.o1.np	Method	AAT/NAP
Start	1	End	2117
GI	6692748	Score	397
Exons	1..57, 1168..1405, 1623..2117		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	46811	Seq. ID	OJ000207_10.0314.C13
Gene No.	99461	Strand	+
Start	1	End	2117
Name	OJ000207_10.0314.C13.o1.gs	Method	GENSCAN
Start	137	End	1930
GI	none	Score	.89
Exons	137..417, 512..918, 1007..1405, 1623..1930		

Seq. No.	46811	Seq. ID	OJ000207_10.0314.C13
Gene No.	99461	Strand	+
Start	1	End	2117
Name	OJ000207_10.0314.C13.o1.tc	Method	TBLASTX:Cress
Start	1197	End	1960
GI	none	Score	106
Exons	1197..1268, 1273..1401, 1275..1394, 1619..1687, 1742..1807, 1747..1800, 1835..1960, 1837..1944		

Seq. No.	46811	Seq. ID	OJ000207_10.0314.C13
Gene No.	99461	Strand	+
Start	1	End	2117
Name	OJ000207_10.0314.C13.o1.tm	Method	TBLASTX:Maize
Start	1706	End	1906
GI	none	Score	191
Exons	1706..1816, 1708..1869, 1810..1905, 1814..1906		

Seq. No.	46811	Seq. ID	OJ000207_10.0314.C13
Gene No.	99461	Strand	+
Start	1	End	2117
Name	OJ000207_10.0314.C13.o1.ts	Method	TBLASTX:Soybean
Start	1718	End	1942
GI	none	Score	96
Exons	1718..1795, 1835..1942, 1849..1941		

Seq. No.	46812	Seq. ID	OJ000207_10.0314.C16
Gene No.	99462	Strand	+
Start	532	End	621
Name	OJ000207_10.0314.C16.o1.gs	Method	GENSCAN
Start	532	End	621
GI	none	Score	.89
Exons	532..621		

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99463	Strand	+
Start	1	End	291
Name	OJ000207_10.0314.C17.o1.np	Method	AAT/NAP
Start	1	End	282
GI	409007	Score	216
Exons	1..282		

GI Descrip.	BBI-M=Bowman-Birk trypsin inhibitor-related protein [Zea mays=corn, Peptide, 102 aa] gi|447268|prf||1914141A trypsin inhibitor-related protein [Zea mays]		
Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99463	Strand	+
Start	1	End	291
Name	OJ000207_10.0314.C17.o1.gs	Method	GENSCAN
Start	71	End	291
GI	none	Score	1
Exons	71..291		
Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99464	Strand	+
Start	15128	End	17127
Name	OJ000207_10.0314.C17.o4.np	Method	AAT/NAP
Start	15128	End	17127
GI	6069657	Score	235
Exons	15128..15432, 17104..17127		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99465	Strand	+
Start	19942	End	26550
Name	OJ000207_10.0314.C17.o5.gs	Method	GENSCAN
Start	19942	End	26550
GI	none	Score	.5
Exons	19942..20115, 22675..22821, 24643..24758, 25609..25793, 26174..26550		
Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99466	Strand	-
Start	722	End	3709
Name	OJ000207_10.0314.C17.o2.gs	Method	GENSCAN
Start	722	End	3709
GI	none	Score	.95
Exons	722..850, 944..1030, 1590..1643, 2951..2998, 3584..3709		
Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99466	Strand	-
Start	722	End	3709
Name	OJ000207_10.0314.C17.o2.np	Method	AAT/NAP
Start	728	End	3709
GI	6729033	Score	299
Exons	728..850, 944..1030, 1590..1643, 2101..2163, 2951..2998, 3584..3709		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		
Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99467	Strand	-
Start	9077	End	10743
Name	OJ000207_10.0314.C17.o3.np	Method	AAT/NAP
Start	9077	End	10743
GI	7531110	Score	146
Exons	9077..9094, 10363..10743		
GI Descrip.	ETHYLENE RESPONSIVE ELEMENT BINDING FACTOR 4 (ATERF4) gi|3434973|dbj|BAA32421.1| (AB008106) ethylene responsive		

element binding factor 4 [Arabidopsis thaliana] gi|6997167|gb|AAF34830.1| (AC023839) ethylene responsive element binding factor 4 [Arabidopsis thaliana]

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99467	Strand	-
Start	9077	End	10743
Name	OJ000207_10.0314.C17.o1.gp	Method	AAT/GAP
Start	9559	End	10649
GI	939_1.R1084	Score	2043
Exons	9559..10649		
GI Descrip.	'5051932/gb|AF141965.1|AF141965 1.0e-108 Oryza sativa MADS-box protein FDRMADS8 mRNA, complete cds'		

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99468	Strand	-
Start	18341	End	19231
Name	OJ000207_10.0314.C17.o2.gp	Method	AAT/GAP
Start	18341	End	19231
GI	10883_1.R1084	Score	1710
Exons	18341..19231		
GI Descrip.	'5002212/gb|AAD37363.1|AF144078_1 1.0e-46 (AF144078) alpha-xylosidase precursor [Arabidopsis thaliana] >gi_5734722_gb_AAD49987.1_AC008075_20 (AC008075) Identical to gb_AF144078 alpha-xylosidase precursor from Arabidopsis thaliana. ESTs gb_W43892, gb_N96165, gb_T46694, gb_N37141, gb_R64965, gb_R90271, gb_AA651443, gb_AA712305, gb_T04189 and gb_AA597852 c'		

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99468	Strand	-
Start	18341	End	19231
Name	OJ000207_10.0314.C17.o4.gs	Method	GENSCAN
Start	18611	End	19138
GI	none	Score	1
Exons	18611..19138		

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99469	Strand	-
Start	28499	End	31437
Name	OJ000207_10.0314.C17.o3.tm	Method	TBLASTX:Maize
Start	97	End	282
GI	none	Score	179
Exons	97..213, 138..212, 183..218, 231..275, 235..282, 237..275		

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99469	Strand	-
Start	28499	End	31437
Name	OJ000207_10.0314.C17.o1.tm	Method	TBLASTX:Maize
Start	9907	End	10673
GI	none	Score	38
Exons	9907..9927, 9908..9928, 9987..10040, 9994..10044, 10152..10316, 10155..10340, 10399..10425, 10509..10670, 10510..10671, 10578..10673		

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99469	Strand	-

Start	28499	End	31437
Name	OJ000207_10.0314.C17.o2.tm	Method	TBLASTX:Maize
Start	10911	End	11667
GI	none	Score	40
Exons	10911..10937, 10912..11022, 10914..11024, 11019..11078, 11046..11093, 11067..11237, 11128..11238, 11128..11238, 11129..11239, 11168..11239, 11411..11464, 11412..11465, 11412..11465, 11532..11573, 11538..11573, 11593..11667		

Seq. No.	46813	Seq. ID	OJ000207_10.0314.C17
Gene No.	99469	Strand	-
Start	28499	End	31437
Name	OJ000207_10.0314.C17.o6.gs	Method	GENSCAN
Start	28499	End	31437
GI	none	Score	.57
Exons	28499..28799, 29899..30017, 30170..30224, 31394..31437		

Seq. No.	46814	Seq. ID	OJ000207_10.0314.C18
Gene No.	99470	Strand	+
Start	470	End	1790
Name	OJ000207_10.0314.C18.o1.gs	Method	GENSCAN
Start	470	End	1790
GI	none	Score	.47
Exons	470..607, 1077..1104, 1316..1471, 1627..1790		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99471	Strand	+
Start	1	End	13853
Name	OJ000217_10.0315.C2.o1.np	Method	AAT/NAP
Start	1	End	2510
GI	7486726	Score	449
Exons	1..113, 211..1124, 2480..2510		
GI Descrip.	hypothetical protein F9D12.2 - Arabidopsis thaliana gi|3319345|gb|AAC26234.1| (AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99471	Strand	+
Start	1	End	13853
Name	OJ000217_10.0315.C2.o1.gs	Method	GENSCAN
Start	76	End	13853
GI	none	Score	.67
Exons	76..113, 1288..1312, 1394..1604, 4843..4929, 5048..6498, 6700..6921, 7002..7002, 7079..7138, 7271..7320, 8846..9533, 10512..10679, 10770..11265, 12109..12284, 13468..13853		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99471	Strand	+
Start	1	End	13853
Name	OJ000217_10.0315.C2.o2.np	Method	AAT/NAP
Start	2748	End	11249
GI	6523547	Score	351
Exons	2748..2925, 4738..4906, 7207..7230, 8819..8961, 10372..10496, 10585..10907, 10947..11249		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99472	Strand	+
Start	14783	End	16293
Name	OJ000217_10.0315.C2.o2.gs	Method	GENSCAN
Start	14783	End	16293
GI	none	Score	.85
Exons	14783..14916, 14922..15153, 15401..15467, 16154..16293		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99473	Strand	+
Start	18840	End	19876
Name	OJ000217_10.0315.C2.o6.np	Method	AAT/NAP
Start	18840	End	19876
GI	6523547	Score	279
Exons	18840..19876		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99474	Strand	-
Start	7823	End	7934
Name	OJ000217_10.0315.C2.o1.gp	Method	AAT/GAP
Start	7823	End	7934
GI	uC-osflcyp088b12b1	Score	160
Exons	7823..7934		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99475	Strand	-
Start	11371	End	11647
Name	OJ000217_10.0315.C2.o2.gp	Method	AAT/GAP
Start	11371	End	11647
GI	61605_1.R1084	Score	407
Exons	11371..11647		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	244	End	840
GI	none	Score	49
Exons	244..318, 319..660, 736..840		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o2.ts	Method	TBLASTX:Soybean
Start	493	End	888
GI	none	Score	206
Exons	493..888		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686

Name	OJ000217_10.0315.C2.o2.tm	Method	TBLASTX:Maize
Start	889	End	1093
GI	none	Score	189
Exons	889..990, 890..1093, 968..1018		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o3.np	Method	AAT/NAP
Start	12017	End	17608
GI	6063554	Score	148
Exons	12017..12188, 12809..12841, 13454..13622, 13881..14140, 17563..17608		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o4.np	Method	AAT/NAP
Start	15868	End	15988
GI	4680183	Score	120
Exons	15868..15988		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o7.np	Method	AAT/NAP
Start	16686	End	20686
GI	5852180	Score	540
Exons	16686..16818, 19308..19716, 19768..19891, 20638..20686		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o3.gs	Method	GENSCAN
Start	17376	End	19729
GI	none	Score	.75
Exons	17376..17515, 17615..17867, 18995..19729		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o1.ts	Method	TBLASTX:Soybean
Start	17605	End	17855
GI	none	Score	162
Exons	17605..17853, 17610..17855, 17616..17855		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o5.np	Method	AAT/NAP
Start	17616	End	20686
GI	4544372	Score	382

Exons	17616..18594, 20621..20686		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o1.tw	Method	TBLASTX:Wheat
Start	17631	End	18038
GI	none	Score	58
Exons	17631..18038, 17692..17838		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o3.tm	Method	TBLASTX:Maize
Start	18219	End	18584
GI	none	Score	74
Exons	18219..18443, 18441..18584		

Seq. No.	46815	Seq. ID	OJ000217_10.0315.C2
Gene No.	99476	Strand	-
Start	12017	End	20686
Name	OJ000217_10.0315.C2.o8.np	Method	AAT/NAP
Start	20574	End	20686
GI	4680186	Score	175
Exons	20574..20686		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	46816	Seq. ID	OJ000217_10.0315.C4
Gene No.	99477	Strand	+
Start	2530	End	7265
Name	OJ000217_10.0315.C4.o2.gs	Method	GENSCAN
Start	2530	End	7265
GI	none	Score	.68
Exons	2530..2541, 2806..2839, 3569..3659, 5673..5787, 5802..5984, 6041..6221, 7120..7265		

Seq. No.	46816	Seq. ID	OJ000217_10.0315.C4
Gene No.	99477	Strand	+
Start	2530	End	7265
Name	OJ000217_10.0315.C4.o2.np	Method	AAT/NAP
Start	5658	End	5803
GI	7340868	Score	29
Exons	5658..5803		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	46816	Seq. ID	OJ000217_10.0315.C4
Gene No.	99477	Strand	+
Start	2530	End	7265
Name	OJ000217_10.0315.C4.o3.np	Method	AAT/NAP
Start	5829	End	6158
GI	7248393	Score	153
Exons	5829..6158		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46816	Seq. ID	OJ000217_10.0315.C4

Gene No.	99478	Strand	-
Start	619	End	1637
Name	OJ000217_10.0315.C4.o1.gs	Method	GENSCAN
Start	619	End	1637
GI	none	Score	.64
Exons	619..750, 808..1293, 1365..1637		

Seq. No.	46816	Seq. ID	OJ000217_10.0315.C4
Gene No.	99478	Strand	-
Start	619	End	1637
Name	OJ000217_10.0315.C4.o1.np	Method	AAT/NAP
Start	1036	End	1637
GI	7248393	Score	477
Exons	1036..1637		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46816	Seq. ID	OJ000217_10.0315.C4
Gene No.	99479	Strand	-
Start	8020	End	8499
Name	OJ000217_10.0315.C4.o3.gs	Method	GENSCAN
Start	8020	End	8499
GI	none	Score	.59
Exons	8020..8499		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99480	Strand	+
Start	1	End	7216
Name	OJ000217_10.0315.C5.o4.np	Method	AAT/NAP
Start	1	End	7216
GI	5852180	Score	380
Exons	1..60, 1386..1479, 5779..5835, 6844..7216		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99480	Strand	+
Start	1	End	7216
Name	OJ000217_10.0315.C5.o1.gp	Method	AAT/GAP
Start	5179	End	5477
GI	61605_3.R1084	Score	448
Exons	5179..5477		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99481	Strand	+
Start	9700	End	15630
Name	OJ000217_10.0315.C5.o6.np	Method	AAT/NAP
Start	9700	End	11356
GI	7248393	Score	305
Exons	9700..9739, 11044..11356		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99481	Strand	+
Start	9700	End	15630
Name	OJ000217_10.0315.C5.o7.np	Method	AAT/NAP
Start	10295	End	15491

GI	5852180	Score	608
Exons	10295..10326, 13875..13928, 14911..15028, 15080..15491		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99481	Strand	+
Start	9700	End	15630
Name	OJ000217_10.0315.C5.o4.gs	Method	GENSCAN
Start	11942	End	13052
GI	none	Score	.49
Exons	11942..12166, 12504..12638, 12879..13052		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99481	Strand	+
Start	9700	End	15630
Name	OJ000217_10.0315.C5.o6.gs	Method	GENSCAN
Start	15073	End	15630
GI	none	Score	.64
Exons	15073..15630		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99482	Strand	+
Start	16242	End	23410
Name	OJ000217_10.0315.C5.o7.gs	Method	GENSCAN
Start	16242	End	17365
GI	none	Score	.92
Exons	16242..16310, 16562..17365		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99482	Strand	+
Start	16242	End	23410
Name	OJ000217_10.0315.C5.o8.np	Method	AAT/NAP
Start	16688	End	20464
GI	7248394	Score	1340
Exons	16688..17610, 17878..18491, 20414..20464		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99482	Strand	+
Start	16242	End	23410
Name	OJ000217_10.0315.C5.o8.gs	Method	GENSCAN
Start	17595	End	18692
GI	none	Score	.47
Exons	17595..18692		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99482	Strand	+
Start	16242	End	23410
Name	OJ000217_10.0315.C5.o9.gs	Method	GENSCAN
Start	20174	End	23410
GI	none	Score	.96
Exons	20174..23410		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99482	Strand	+
Start	16242	End	23410
Name	OJ000217_10.0315.C5.o9.np	Method	AAT/NAP
Start	20174	End	23407
GI	6907089	Score	4147
Exons	20174..21435, 21529..23407		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99483	Strand	+
Start	30275	End	30881
Name	OJ000217_10.0315.C5.o11.np	Method	AAT/NAP
Start	30275	End	30881
GI	5922623	Score	182
Exons	30275..30382, 30778..30881		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99484	Strand	-
Start	15	End	8226
Name	OJ000217_10.0315.C5.o1.gs	Method	GENSCAN
Start	15	End	5079
GI	none	Score	.48
Exons	15..236, 772..885, 1608..1701, 1780..1834, 1902..2866, 2919..4047, 4230..4386, 4424..4544, 4689..4919, 5069..5079		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99484	Strand	-
Start	15	End	8226
Name	OJ000217_10.0315.C5.o1.np	Method	AAT/NAP
Start	1213	End	4314
GI	6630685	Score	4649
Exons	1213..3953, 4243..4314		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99484	Strand	-
Start	15	End	8226
Name	OJ000217_10.0315.C5.o3.np	Method	AAT/NAP
Start	4400	End	8226
GI	4416301	Score	116
Exons	4400..4595, 8184..8226		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99484	Strand	-
Start	15	End	8226
Name	OJ000217_10.0315.C5.o2.gp	Method	AAT/GAP
Start	6006	End	6433
GI	2428185	Score	801
Exons	6006..6433		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99484	Strand	-
Start	15	End	8226
Name	OJ000217_10.0315.C5.o3.gp	Method	AAT/GAP
Start	6451	End	7185
GI	101153_1.R1084	Score	578
Exons	6451..6679, 6997..7185		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99485	Strand	-
Start	8286	End	10670
Name	OJ000217_10.0315.C5.o5.np	Method	AAT/NAP
Start	8123	End	10670
GI	7489737	Score	498
Exons	8123..9391, 10602..10670		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99485	Strand	-
Start	8286	End	10670
Name	OJ000217_10.0315.C5.o3.gs	Method	GENSCAN
Start	8286	End	9467
GI	none	Score	.56
Exons	8286..9467		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99486	Strand	-
Start	13300	End	14158
Name	OJ000217_10.0315.C5.o5.gs	Method	GENSCAN
Start	13300	End	13980
GI	none	Score	.6
Exons	13300..13337, 13905..13980		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99486	Strand	-
Start	13300	End	14158
Name	OJ000217_10.0315.C5.o4.gp	Method	AAT/GAP
Start	13777	End	14158
GI	uC-osflcyp033a04b1	Score	683
Exons	13777..14158		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o1.tm	Method	TBLASTX:Maize
Start	1180	End	1887
GI	none	Score	189
Exons	1180..1539, 1183..1887, 1190..1879		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5

Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o2.ts	Method	TBLASTX:Soybean
Start	1228	End	1869
GI	none	Score	106
Exons	1228..1461, 1480..1869, 1481..1645, 1741..1857		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o14.tw	Method	TBLASTX:Wheat
Start	1264	End	1644
GI	none	Score	50
Exons	1264..1452, 1277..1393, 1471..1644, 1496..1576		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o12.tw	Method	TBLASTX:Wheat
Start	1654	End	2070
GI	none	Score	87
Exons	1654..1890, 1918..2070		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o3.tm	Method	TBLASTX:Maize
Start	2002	End	2438
GI	none	Score	467
Exons	2002..2436, 2003..2437, 2031..2438		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o1.ts	Method	TBLASTX:Soybean
Start	2240	End	2848
GI	5509260	Score	301
Exons	2240..2623, 2242..2622, 2632..2847, 2633..2848		
GI Descrip.	-		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o4.tw	Method	TBLASTX:Wheat
Start	2254	End	2722
GI	none	Score	277
Exons	2254..2601, 2267..2599, 2397..2603, 2456..2611, 2603..2638, 2632..2706, 2633..2722		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o2.tc	Method	TBLASTX:Cress
Start	2359	End	2640
GI	none	Score	83
Exons	2359..2640, 2393..2638		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o5.tm	Method	TBLASTX:Maize
Start	2555	End	2872
GI	none	Score	343
Exons	2555..2872, 2557..2871		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o2.tm	Method	TBLASTX:Maize
Start	2953	End	24711
GI	none	Score	571
Exons	2953..2997, 2989..3594, 2999..3673, 3000..3740, 3674..3745, 24553..24711		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o9.tw	Method	TBLASTX:Wheat
Start	2999	End	3322
GI	none	Score	109
Exons	2999..3058, 3069..3233, 3080..3244, 3083..3247, 3233..3322, 3246..3320		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o3.ts	Method	TBLASTX:Soybean
Start	3104	End	3565
GI	none	Score	141
Exons	3104..3565, 3255..3545		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o1.tc	Method	TBLASTX:Cress
Start	3107	End	3529
GI	none	Score	226
Exons	3107..3529		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o2.tw	Method	TBLASTX:Wheat
Start	3410	End	24708
GI	none	Score	184
Exons	3410..3691, 3411..3698, 3679..3723, 3682..3810, 3734..3982, 3750..3974, 24580..24708		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o6.tm	Method	TBLASTX:Maize
Start	3746	End	4140
GI	none	Score	272

Exons	3746..4018, 3747..4022, 4024..4140, 4025..4132		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o11.tw	Method	TBLASTX:Wheat
Start	4063	End	4362
GI	none	Score	77
Exons	4063..4362, 4148..4273, 4328..4357		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o9.tm	Method	TBLASTX:Maize
Start	4141	End	4482
GI	none	Score	160
Exons	4141..4383, 4142..4375, 4328..4393, 4403..4480, 4407..4481, 4408..4482		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o8.ts	Method	TBLASTX:Soybean
Start	4234	End	9365
GI	none	Score	73
Exons	4234..4362, 4388..4429, 8919..9254, 9258..9365		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o10.tm	Method	TBLASTX:Maize
Start	8808	End	9209
GI	none	Score	68
Exons	8808..9209, 8958..9068		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o10.tw	Method	TBLASTX:Wheat
Start	8967	End	9362
GI	none	Score	65
Exons	8967..9359, 9262..9360, 9267..9362		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o11.tm	Method	TBLASTX:Maize
Start	12092	End	29536
GI	none	Score	77
Exons	12092..12268, 29251..29499, 29252..29536		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o8.tw	Method	TBLASTX:Wheat
Start	12155	End	29541
GI	none	Score	79

Exons	12155..12289, 12308..12358, 29149..29406, 29183..29422, 29389..29487, 29390..29470, 29494..29541		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o7.ts	Method	TBLASTX:Soybean
Start	16805	End	28389
GI	none	Score	188
Exons	16805..17170, 27961..28137, 28201..28389		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o1.tw	Method	TBLASTX:Wheat
Start	17541	End	27760
GI	none	Score	318
Exons	17541..17984, 17594..17971, 17793..17981, 17929..18000, 27298..27759, 27299..27760		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o5.ts	Method	TBLASTX:Soybean
Start	17580	End	27720
GI	none	Score	139
Exons	17580..17804, 17594..17770, 17811..17945, 27355..27489, 27496..27720		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o7.tm	Method	TBLASTX:Maize
Start	17673	End	27630
GI	none	Score	249
Exons	17673..17990, 17684..17899, 27283..27630, 27284..27595		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o4.tm	Method	TBLASTX:Maize
Start	18015	End	27276
GI	none	Score	532
Exons	18015..18473, 18015..18296, 18164..18475, 26899..27276, 26936..27136		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o3.tw	Method	TBLASTX:Wheat
Start	18120	End	27189
GI	none	Score	222
Exons	18120..18467, 18221..18427, 26765..27184, 26770..27189		
Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881

Name	OJ000217_10.0315.C5.o4.ts	Method	TBLASTX:Soybean
Start	18162	End	27111
GI	none	Score	221
Exons	18162..18443, 18200..18337, 26740..27111, 26951..27094		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o12.tm	Method	TBLASTX:Maize
Start	24002	End	24183
GI	none	Score	125
Exons	24002..24178, 24019..24183		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o10.np	Method	AAT/NAP
Start	24043	End	30198
GI	7228457	Score	9181
Exons	24043..25593, 25660..26811, 26934..27768, 27832..29767, 29832..30198		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o15.tw	Method	TBLASTX:Wheat
Start	24052	End	24574
GI	none	Score	83
Exons	24052..24177, 24056..24178, 24370..24573, 24371..24574		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o6.tw	Method	TBLASTX:Wheat
Start	24781	End	25170
GI	none	Score	154
Exons	24781..25170, 24857..25147		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o8.tm	Method	TBLASTX:Maize
Start	24850	End	25173
GI	none	Score	177
Exons	24850..25173, 24863..25144		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o13.tw	Method	TBLASTX:Wheat
Start	25366	End	25678
GI	none	Score	56
Exons	25366..25626, 25477..25665, 25502..25678		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o6.ts	Method	TBLASTX:Soybean
Start	25426	End	25992
GI	5666795	Score	68
Exons	25426..25626, 25681..25818, 25894..25992		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o7.tw	Method	TBLASTX:Wheat
Start	25681	End	26139
GI	none	Score	87
Exons	25681..25830, 25682..25819, 25684..25821, 25877..26050, 25891..26139, 25891..26115		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o5.tw	Method	TBLASTX:Wheat
Start	27925	End	28411
GI	none	Score	168
Exons	27925..28410, 27929..28216, 28238..28411		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o13.np	Method	AAT/NAP
Start	29668	End	30868
GI	5042454	Score	1306
Exons	29668..30216, 30272..30382, 30722..30868		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46817	Seq. ID	OJ000217_10.0315.C5
Gene No.	99487	Strand	-
Start	24043	End	30881
Name	OJ000217_10.0315.C5.o12.np	Method	AAT/NAP
Start	30435	End	30881
GI	5042454	Score	316
Exons	30435..30488, 30722..30881		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46818	Seq. ID	OJ000217_10.0315.C6
Gene No.	99488	Strand	+
Start	1	End	1404
Name	OJ000217_10.0315.C6.o1.np	Method	AAT/NAP
Start	1	End	588
GI	7248394	Score	382
Exons	1..41, 137..588		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46818	Seq. ID	OJ000217_10.0315.C6
Gene No.	99488	Strand	+
Start	1	End	1404
Name	OJ000217_10.0315.C6.o1.gs	Method	GENSCAN
Start	395	End	1404
GI	none	Score	.47
Exons	395..1028, 1089..1232, 1300..1404		

Seq. No.	46818	Seq. ID	OJ000217_10.0315.C6
Gene No.	99488	Strand	+
Start	1	End	1404
Name	OJ000217_10.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	450	End	860
GI	none	Score	157
Exons	450..587, 452..601, 608..775, 609..860		

Seq. No.	46818	Seq. ID	OJ000217_10.0315.C6
Gene No.	99488	Strand	+
Start	1	End	1404
Name	OJ000217_10.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	495	End	893
GI	none	Score	77
Exons	495..584, 624..893		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99489	Strand	-
Start	365	End	4885
Name	OJ000217_10.0315.C7.o1.gs	Method	GENSCAN
Start	365	End	4879
GI	none	Score	.69
Exons	365..4073, 4128..4879		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99489	Strand	-
Start	365	End	4885
Name	OJ000217_10.0315.C7.o1.np	Method	AAT/NAP
Start	368	End	4885
GI	4680179	Score	5396
Exons	368..3769, 3803..4885		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o7.tm	Method	TBLASTX:Maize
Start	359	End	589
GI	none	Score	43
Exons	359..391, 360..389, 392..589, 483..578		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o6.tw	Method	TBLASTX:Wheat
Start	413	End	746
GI	none	Score	134
Exons	413..745, 434..742, 477..746		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o1.tm	Method	TBLASTX:Maize
Start	593	End	1192
GI	none	Score	111
Exons	593..1033, 608..871, 732..1034, 1031..1192, 1038..1184		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1372
GI	none	Score	75
Exons	746..1372, 749..1000, 858..1316		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o4.tm	Method	TBLASTX:Maize
Start	1241	End	1533
GI	none	Score	208
Exons	1241..1531, 1245..1532, 1372..1533		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o2.ts	Method	TBLASTX:Soybean
Start	1331	End	1591
GI	none	Score	148
Exons	1331..1591, 1332..1586		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o1.tc	Method	TBLASTX:Cress
Start	1355	End	1672
GI	none	Score	85
Exons	1355..1498, 1356..1496, 1499..1672		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o2.tw	Method	TBLASTX:Wheat
Start	1379	End	5186
GI	none	Score	343
Exons	1379..1915, 1380..1946, 5124..5186		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o2.tm	Method	TBLASTX:Maize
Start	1937	End	2300
GI	none	Score	174
Exons	1937..2299, 1946..2299, 1950..2300		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7

Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o3.tw	Method	TBLASTX:Wheat
Start	1949	End	2371
GI	none	Score	367
Exons	1949..2371, 1950..2339		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o3.ts	Method	TBLASTX:Soybean
Start	2120	End	2365
GI	none	Score	99
Exons	2120..2365, 2121..2363		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o3.tm	Method	TBLASTX:Maize
Start	2336	End	2836
GI	none	Score	50
Exons	2336..2650, 2379..2429, 2457..2510, 2657..2836, 2682..2828		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o5.tw	Method	TBLASTX:Wheat
Start	2372	End	2674
GI	none	Score	267
Exons	2372..2674, 2388..2672		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o1.ts	Method	TBLASTX:Soybean
Start	2387	End	2782
GI	none	Score	199
Exons	2387..2746, 2388..2678, 2706..2744, 2750..2782, 2751..2780		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o4.tw	Method	TBLASTX:Wheat
Start	2723	End	3209
GI	none	Score	259
Exons	2723..3100, 2766..3209, 3155..3205		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o5.tm	Method	TBLASTX:Maize
Start	2904	End	3194
GI	none	Score	185
Exons	2904..3194, 2906..3193		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-

Start	5134	End	5943
Name	OJ000217_10.0315.C7.o8.tw	Method	TBLASTX:Wheat
Start	3305	End	3742
GI	none	Score	69
Exons	3305..3346, 3374..3487, 3375..3488, 3533..3742, 3534..3686		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o8.tm	Method	TBLASTX:Maize
Start	3425	End	3778
GI	none	Score	188
Exons	3425..3778		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o7.tw	Method	TBLASTX:Wheat
Start	4061	End	4412
GI	none	Score	112
Exons	4061..4411, 4218..4412		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o6.tm	Method	TBLASTX:Maize
Start	4106	End	4411
GI	none	Score	90
Exons	4106..4411, 4281..4397		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o9.tw	Method	TBLASTX:Wheat
Start	4445	End	4705
GI	none	Score	66
Exons	4445..4537, 4446..4643, 4448..4645, 4658..4705		

Seq. No.	46819	Seq. ID	OJ000217_10.0315.C7
Gene No.	99490	Strand	-
Start	5134	End	5943
Name	OJ000217_10.0315.C7.o2.gs	Method	GENSCAN
Start	5134	End	5943
GI	none	Score	.84
Exons	5134..5943		

Seq. No.	46820	Seq. ID	OJ000217_10.0315.C8
Gene No.	99491	Strand	+
Start	413	End	3813
Name	OJ000217_10.0315.C8.o1.gs	Method	GENSCAN
Start	413	End	3778
GI	none	Score	.44
Exons	413..461, 1185..1286, 2013..2132, 2815..2931, 2972..3778		

Seq. No.	46820	Seq. ID	OJ000217_10.0315.C8
Gene No.	99491	Strand	+
Start	413	End	3813

Name	OJ000217_10.0315.C8.o1.tw	Method	TBLASTX:Wheat
Start	3607	End	3813
GI	none	Score	179
Exons	3607..3813, 3669..3788		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o1.np	Method	AAT/NAP
Start	1	End	1677
GI	6691191	Score	1622
Exons	1..1677		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o4.tw	Method	TBLASTX:Wheat
Start	1	End	216
GI	none	Score	256
Exons	1..216, 4..183, 12..215		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	43	End	591
GI	none	Score	241
Exons	43..456, 135..281, 363..449, 448..591		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o1.gs	Method	GENSCAN
Start	91	End	1302
GI	none	Score	.89
Exons	91..1127, 1143..1302		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o1.ts	Method	TBLASTX:Soybean
Start	169	End	522
GI	none	Score	64
Exons	169..234, 177..233, 234..467, 235..522		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o1.tw	Method	TBLASTX:Wheat
Start	217	End	616
GI	none	Score	462
Exons	217..615, 225..281, 313..615, 443..616		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677

Name	OJ000217_10.0315.C9.o2.tw	Method	TBLASTX:Wheat
Start	628	End	1098
GI	none	Score	182
Exons	628..813, 630..755, 631..756, 820..891, 895..1098		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o3.ts	Method	TBLASTX:Soybean
Start	634	End	772
GI	none	Score	192
Exons	634..768, 634..750, 648..767, 677..772		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o1.tc	Method	TBLASTX:Cress
Start	811	End	1194
GI	none	Score	52
Exons	811..888, 900..1193, 901..1194		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o2.ts	Method	TBLASTX:Soybean
Start	1216	End	1559
GI	none	Score	67
Exons	1216..1257, 1218..1256, 1254..1340, 1255..1329, 1322..1516, 1326..1559, 1377..1559		

Seq. No.	46821	Seq. ID	OJ000217_10.0315.C9
Gene No.	99492	Strand	+
Start	1	End	1677
Name	OJ000217_10.0315.C9.o3.tw	Method	TBLASTX:Wheat
Start	1221	End	1661
GI	none	Score	96
Exons	1221..1328, 1222..1329, 1350..1661, 1352..1426, 1589..1660		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99493	Strand	+
Start	4251	End	4754
Name	OJ000217_10.0315.C10.o3.gs	Method	GENSCAN
Start	4251	End	4754
GI	none	Score	.87
Exons	4251..4754		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99494	Strand	-
Start	1711	End	2195
Name	OJ000217_10.0315.C10.o2.gs	Method	GENSCAN
Start	1711	End	2195
GI	none	Score	.83
Exons	1711..1815, 2145..2195		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562

Name	OJ000217_10.0315.C10.o4.gs	Method	GENSCAN
Start	9444	End	25299
GI	none	Score	.47
Exons	9444..9493, 9685..9873, 9875..10146, 10208..10339, 12046..12149, 13715..13779, 13949..14056, 16543..16616, 16948..17113, 18343..18412, 19441..19910, 19966..19995, 21227..21492, 21765..21964, 22270..22784, 22799..23149, 23418..23560, 23657..23867, 24408..24600, 25249..25299		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o2.np	Method	AAT/NAP
Start	21069	End	25562
GI	4680179	Score	4829
Exons	21069..24904, 25541..25562		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o5.tw	Method	TBLASTX:Wheat
Start	21114	End	21441
GI	none	Score	65
Exons	21114..21440, 21115..21201, 21330..21422, 21337..21441		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o1.tm	Method	TBLASTX:Maize
Start	21306	End	21892
GI	none	Score	81
Exons	21306..21467, 21449..21733, 21582..21713, 21731..21892, 21747..21884		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o1.tw	Method	TBLASTX:Wheat
Start	21449	End	22072
GI	none	Score	192
Exons	21449..22072, 21491..22006, 21558..22016		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o3.tm	Method	TBLASTX:Maize
Start	21941	End	22228
GI	none	Score	157
Exons	21941..22129, 21945..22130, 22129..22182, 22133..22180, 22180..22227, 22184..22228		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o2.ts	Method	TBLASTX:Soybean
Start	22031	End	22287

GI	none	Score	92
Exons	22031..22132, 22032..22127, 22130..22168, 22132..22218, 22132..22191, 22180..22287, 22181..22282, 22195..22284		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o4.tw	Method	TBLASTX:Wheat
Start	22079	End	22483
GI	none	Score	55
Exons	22079..22132, 22083..22148, 22130..22180, 22132..22182, 22180..22482, 22184..22483		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o2.tw	Method	TBLASTX:Wheat
Start	22543	End	23054
GI	none	Score	116
Exons	22543..22782, 22631..22783, 22642..22788, 22765..23022, 22781..22891, 22785..23054		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o2.tm	Method	TBLASTX:Maize
Start	22624	End	22982
GI	none	Score	74
Exons	22624..22782, 22631..22777, 22791..22982, 22798..22878, 22897..22980		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o3.ts	Method	TBLASTX:Soybean
Start	22803	End	23048
GI	none	Score	199
Exons	22803..23048		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o5.tm	Method	TBLASTX:Maize
Start	22989	End	23261
GI	none	Score	97
Exons	22989..23261, 22993..23241		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o6.tw	Method	TBLASTX:Wheat
Start	23055	End	23353
GI	none	Score	155
Exons	23055..23288, 23062..23262, 23079..23279, 23264..23353, 23265..23342		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10

Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o1.ts	Method	TBLASTX:Soybean
Start	23070	End	23460
GI	none	Score	110
Exons	23070..23261, 23071..23262, 23264..23389, 23276..23428, 23428..23460, 23429..23458		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o3.tw	Method	TBLASTX:Wheat
Start	23410	End	23883
GI	none	Score	220
Exons	23410..23883, 23444..23869		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o4.tm	Method	TBLASTX:Maize
Start	23584	End	23866
GI	none	Score	98
Exons	23584..23739, 23584..23865, 23585..23773, 23801..23866		

Seq. No.	46822	Seq. ID	OJ000217_10.0315.C10
Gene No.	99495	Strand	-
Start	9444	End	25562
Name	OJ000217_10.0315.C10.o7.tw	Method	TBLASTX:Wheat
Start	24055	End	24409
GI	none	Score	92
Exons	24055..24408, 24269..24409		

Seq. No.	46823	Seq. ID	OJ000217_10.0315.C11
Gene No.	99496	Strand	+
Start	1	End	1752
Name	OJ000217_10.0315.C11.o1.np	Method	AAT/NAP
Start	1	End	1752
GI	5042463	Score	91
Exons	1..38, 499..697, 1620..1752		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	46823	Seq. ID	OJ000217_10.0315.C11
Gene No.	99496	Strand	+
Start	1	End	1752
Name	OJ000217_10.0315.C11.o1.gs	Method	GENSCAN
Start	169	End	254
GI	none	Score	.81
Exons	169..254		

Seq. No.	46823	Seq. ID	OJ000217_10.0315.C11
Gene No.	99497	Strand	-
Start	1148	End	1352
Name	OJ000217_10.0315.C11.o2.gs	Method	GENSCAN
Start	1148	End	1352
GI	none	Score	.59
Exons	1148..1352		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1
Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o1.np	Method	AAT/NAP
Start	1	End	3131
GI	2626753	Score	397
Exons	1..20, 1439..1705, 1805..1853, 2811..3131		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1
Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o1.tm	Method	TBLASTX:Maize
Start	1487	End	2852
GI	none	Score	184
Exons	1487..1705, 1503..1706, 1503..1703, 1634..1705, 1804..1863, 1809..1856, 1811..1873, 1815..1871, 2802..2852, 2803..2850		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1
Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o1.tc	Method	TBLASTX:Cress
Start	1489	End	2958
GI	none	Score	90
Exons	1489..1698, 1494..1703, 1501..1695, 1804..1872, 1813..1863, 1815..1871, 2802..2951, 2803..2958		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1
Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o1.gs	Method	GENSCAN
Start	1504	End	6550
GI	none	Score	.58
Exons	1504..1615, 2811..3116, 3198..3425, 3467..3674, 3846..3979, 5877..6000, 6121..6311, 6365..6550		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1
Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o1.ts	Method	TBLASTX:Soybean
Start	1551	End	3020
GI	none	Score	95
Exons	1551..1703, 1567..1701, 1804..1851, 1807..1851, 2811..2903, 2811..2951, 2815..2970, 2976..3020		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1
Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o3.np	Method	AAT/NAP
Start	2612	End	6996
GI	4325354	Score	137
Exons	2612..2641, 5977..6149, 6237..6595, 6967..6996		
GI Descrip.	(AF128395) contains similarity to retroyirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1

Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o2.tm	Method	TBLASTX:Maize
Start	2853	End	3090
GI	none	Score	112
Exons	2853..2984, 2854..2973, 2953..3090, 2967..3020		

Seq. No.	46824	Seq. ID	OJ000207_11.0306.C1
Gene No.	99498	Strand	-
Start	1	End	6996
Name	OJ000207_11.0306.C1.o1.gp	Method	AAT/GAP
Start	2870	End	3393
GI	none	Score	839
Exons	2870..3116, 3198..3393		

Seq. No.	46825	Seq. ID	OJ000207_11.0306.C6
Gene No.	99499	Strand	+
Start	1	End	720
Name	OJ000207_11.0306.C6.o1.np	Method	AAT/NAP
Start	1	End	717
GI	6815052	Score	364
Exons	1..162, 244..318, 599..717		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46825	Seq. ID	OJ000207_11.0306.C6
Gene No.	99499	Strand	+
Start	1	End	720
Name	OJ000207_11.0306.C6.o1.gs	Method	GENSCAN
Start	9	End	720
GI	none	Score	.91
Exons	9..162, 599..720		

Seq. No.	46826	Seq. ID	OJ000207_11.0306.C7
Gene No.	99500	Strand	+
Start	3172	End	5388
Name	OJ000207_11.0306.C7.o1.gs	Method	GENSCAN
Start	3172	End	5388
GI	none	Score	.6
Exons	3172..3795, 4691..4943, 5264..5388		

Seq. No.	46826	Seq. ID	OJ000207_11.0306.C7
Gene No.	99500	Strand	+
Start	3172	End	5388
Name	OJ000207_11.0306.C7.o1.np	Method	AAT/NAP
Start	3172	End	3807
GI	7489604	Score	1095
Exons	3172..3807		
GI Descrip.	zinc-finger protein S12569 - rice gi|3618318|dbj|BAA33205.1| (AB001887) zinc finger protein [Oryza sativa]		

Seq. No.	46826	Seq. ID	OJ000207_11.0306.C7
Gene No.	99501	Strand	-
Start	3144	End	12781
Name	OJ000207_11.0306.C7.o1.gp	Method	AAT/GAP
Start	3144	End	3801
GI	6_1.R1084	Score	1272
Exons	3144..3801		

GI Descrip.	'3618318/dbj|BAA33205| 1.0e-143 (AB001887) zinc finger protein [Oryza sativa]'		
Seq. No.	46826	Seq. ID	OJ000207_11.0306.C7
Gene No.	99501	Strand	-
Start	3144	End	12781
Name	OJ000207_11.0306.C7.o2.np	Method	AAT/NAP
Start	3330	End	12781
GI	119714	Score	246
Exons	3330..3404, 4715..5097, 7821..8101, 9839..10452, 10919..11005, 12384..12781		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		
Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99502	Strand	+
Start	156	End	363
Name	OJ000207_11.0306.C8.o1.gs	Method	GENSCAN
Start	156	End	363
GI	none	Score	.57
Exons	156..250, 354..363		
Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99503	Strand	+
Start	3054	End	3413
Name	OJ000207_11.0306.C8.o1.np	Method	AAT/NAP
Start	3030	End	3410
GI	7489604	Score	614
Exons	3030..3410		
GI Descrip.	zinc-finger protein S12569 - rice gi|3618318|dbj|BAA33205.1| (AB001887) zinc finger protein [Oryza sativa]		
Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99503	Strand	+
Start	3054	End	3413
Name	OJ000207_11.0306.C8.o3.gs	Method	GENSCAN
Start	3054	End	3413
GI	none	Score	.91
Exons	3054..3413		
Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99504	Strand	+
Start	9311	End	10064
Name	OJ000207_11.0306.C8.o5.gs	Method	GENSCAN
Start	9311	End	10064
GI	none	Score	.5
Exons	9311..9342, 9365..9535, 9854..10064		
Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99505	Strand	-
Start	710	End	1448
Name	OJ000207_11.0306.C8.o2.gs	Method	GENSCAN
Start	710	End	1448
GI	none	Score	.77
Exons	710..868, 1353..1448		

Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99506	Strand	-
Start	3010	End	3761
Name	OJ000207_11.0306.C8.o1.gp	Method	AAT/GAP
Start	3010	End	3761
GI	6_1.R1084	Score	1382
Exons	3010..3761		
GI Descrip.	'3618318/dbj|BAA33205| 1.0e-143 (AB001887) zinc finger protein [Oryza sativa]'		

Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99507	Strand	-
Start	5781	End	8103
Name	OJ000207_11.0306.C8.o1.ts	Method	TBLASTX:Soybean
Start	3200	End	3371
GI	none	Score	114
Exons	3200..3358, 3209..3343, 3273..3371		

Seq. No.	46827	Seq. ID	OJ000207_11.0306.C8
Gene No.	99507	Strand	-
Start	5781	End	8103
Name	OJ000207_11.0306.C8.o4.gs	Method	GENSCAN
Start	5781	End	8103
GI	none	Score	.67
Exons	5781..5867, 6303..6462, 7567..7650, 7769..8103		

Seq. No.	46828	Seq. ID	OJ000207_11.0306.C9
Gene No.	99508	Strand	+
Start	523	End	5702
Name	OJ000207_11.0306.C9.o1.gs	Method	GENSCAN
Start	523	End	5702
GI	none	Score	.72
Exons	523..896, 930..1288, 1448..1543, 1799..1879, 2084..2229, 2292..2650, 2685..2976, 3181..3269, 3696..3843, 4631..4905, 4994..5066, 5589..5702		

Seq. No.	46828	Seq. ID	OJ000207_11.0306.C9
Gene No.	99508	Strand	+
Start	523	End	5702
Name	OJ000207_11.0306.C9.o1.np	Method	AAT/NAP
Start	600	End	2743
GI	4325357	Score	372
Exons	600..1309, 1875..2024, 2254..2743		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	46828	Seq. ID	OJ000207_11.0306.C9
Gene No.	99508	Strand	+
Start	523	End	5702
Name	OJ000207_11.0306.C9.o1.tw	Method	TBLASTX:Wheat
Start	829	End	1176
GI	none	Score	94
Exons	829..945, 961..1176		

Seq. No.	46828	Seq. ID	OJ000207_11.0306.C9

Gene No.	99508	Strand	+
Start	523	End	5702
Name	OJ000207_11.0306.C9.o1.tc	Method	TBLASTX:Cress
Start	976	End	1284
GI	none	Score	190
Exons	976..1284		

Seq. No.	46829	Seq. ID	OJ000207_11.0306.C10
Gene No.	99509	Strand	-
Start	1	End	1050
Name	OJ000207_11.0306.C10.o1.np	Method	AAT/NAP
Start	1	End	1050
GI	6815052	Score	271
Exons	1..95, 488..652, 951..1050		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99510	Strand	+
Start	1	End	2001
Name	OJ000207_11.0306.C11.o1.np	Method	AAT/NAP
Start	1	End	2001
GI	2626753	Score	441
Exons	1..22, 548..686, 786..871, 1024..1100, 1197..1334, 1894..2001		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99510	Strand	+
Start	1	End	2001
Name	OJ000207_11.0306.C11.o1.gs	Method	GENSCAN
Start	548	End	1508
GI	none	Score	.77
Exons	548..686, 786..871, 1024..1100, 1197..1508		

Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99510	Strand	+
Start	1	End	2001
Name	OJ000207_11.0306.C11.o1.gp	Method	AAT/GAP
Start	608	End	1410
GI	6613_1.R1084	Score	704
Exons	608..690, 789..871, 1024..1100, 1197..1410		
GI Descrip.	'2626753/dbj|BAA23424| 2.0e-23 (AB008782) sulfate transporter [Arabidopsis thaliana]'		

Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99510	Strand	+
Start	1	End	2001
Name	OJ000207_11.0306.C11.o2.gp	Method	AAT/GAP
Start	1483	End	1841
GI	none	Score	693
Exons	1483..1841		

Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99511	Strand	+
Start	3024	End	4706
Name	OJ000207_11.0306.C11.o2.gs	Method	GENSCAN
Start	3024	End	4706
GI	none	Score	.71

Exons	3024..3204, 3374..3632, 4493..4706		
Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99512	Strand	+
Start	5833	End	7581
Name	OJ000207_11.0306.C11.o4.gs	Method	GENSCAN
Start	5833	End	7581
GI	none	Score	.41
Exons	5833..6158, 6261..6390, 6426..6941, 7558..7581		
Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99513	Strand	-
Start	2748	End	2828
Name	OJ000207_11.0306.C11.o3.gp	Method	AAT/GAP
Start	2748	End	2828
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	2748..2828		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99514	Strand	-
Start	5036	End	5576
Name	OJ000207_11.0306.C11.o1.tc	Method	TBLASTX:Cress
Start	546	End	1333
GI	none	Score	226
Exons	546..686, 547..687, 813..869, 1013..1084, 1014..1115, 1191..1328, 1199..1333		
Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99514	Strand	-
Start	5036	End	5576
Name	OJ000207_11.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	546	End	1333
GI	none	Score	223
Exons	546..689, 547..687, 599..691, 784..825, 814..870, 1013..1090, 1014..1115, 1020..1103, 1191..1328, 1194..1301, 1196..1333		
Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99514	Strand	-
Start	5036	End	5576
Name	OJ000207_11.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	783	End	1418
GI	none	Score	68
Exons	783..827, 784..828, 809..871, 820..870, 1013..1096, 1014..1115, 1026..1103, 1191..1418, 1195..1371, 1196..1411		
Seq. No.	46830	Seq. ID	OJ000207_11.0306.C11
Gene No.	99514	Strand	-
Start	5036	End	5576
Name	OJ000207_11.0306.C11.o3.gs	Method	GENSCAN
Start	5036	End	5576
GI	none	Score	.83
Exons	5036..5264, 5497..5576		
Seq. No.	46831	Seq. ID	OJ000207_11.0306.C12

Gene No.	99515	Strand	+
Start	42	End	815
Name	OJ000207_11.0306.C12.o1.tw	Method	TBLASTX:Wheat
Start	6	End	293
GI	none	Score	.243
Exons	6..293, 17..253		

Seq. No.	46831	Seq. ID	OJ000207_11.0306.C12
Gene No.	99515	Strand	+
Start	42	End	815
Name	OJ000207_11.0306.C12.o1.tm	Method	TBLASTX:Maize
Start	11	End	815
GI	none	Score	313
Exons	11..325, 12..362, 360..461, 422..454, 493..528, 533..568, 534..815, 615..752		

Seq. No.	46831	Seq. ID	OJ000207_11.0306.C12
Gene No.	99515	Strand	+
Start	42	End	815
Name	OJ000207_11.0306.C12.o1.gs	Method	GENSCAN
Start	42	End	506
GI	none	Score	.99
Exons	42..143, 477..506		

Seq. No.	46831	Seq. ID	OJ000207_11.0306.C12
Gene No.	99516	Strand	
Start	1288	End	1613
Name	OJ000207_11.0306.C12.o2.tw	Method	TBLASTX:Wheat
Start	1288	End	1613
GI	none	Score	43
Exons	1288..1320, 1341..1514, 1509..1613		

Seq. No.	46831	Seq. ID	OJ000207_11.0306.C12
Gene No.	99517	Strand	
Start	1691	End	1984
Name	OJ000207_11.0306.C12.o2.tm	Method	TBLASTX:Maize
Start	1691	End	1984
GI	none	Score	134
Exons	1691..1852, 1699..1803, 1733..1858, 1743..1865, 1871..1984		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99518	Strand	+
Start	336	End	1144
Name	OJ000207_11.0306.C13.o1.gs	Method	GENSCAN
Start	336	End	1144
GI	none	Score	.69
Exons	336..350, 1088..1144		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99519	Strand	+
Start	3442	End	13484
Name	OJ000207_11.0306.C13.o3.gs	Method	GENSCAN
Start	3442	End	11444
GI	none	Score	.57
Exons	3442..3483, 3593..3686, 3734..3804, 4532..4683, 4722..4840, 5043..5156, 6898..7053, 7207..7446, 7551..7777, 8188..8397, 8493..8640, 8673..9259, 9470..9691, 9732..10032, 10337..10532,		

10771..10822, 10885..10990, 11064..11161, 11265..11444

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99519	Strand	+
Start	3442	End	13484
Name	OJ000207_11.0306.C13.o1.np	Method	AAT/NAP
Start	6917	End	13484
GI	7228457	Score	3358
Exons	6917..7291, 7346..9274, 9335..10171, 10294..10649, 10731..10794, 13440..13484		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99520	Strand	-
Start	1665	End	3160
Name	OJ000207_11.0306.C13.o2.gs	Method	GENSCAN
Start	1665	End	3160
GI	none	Score	.64
Exons	1665..1687, 2043..2103, 2128..2438, 2717..2968, 3085..3160		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99521	Strand	
Start	8695	End	11521
Name	OJ000207_11.0306.C13.o2.tw	Method	TBLASTX:Wheat
Start	8695	End	11521
GI	none	Score	386
Exons	8695..8841, 8696..9184, 8896..9183, 11357..11521		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99521	Strand	
Start	8695	End	11521
Name	OJ000207_11.0306.C13.o1.tw	Method	TBLASTX:Wheat
Start	9343	End	9766
GI	none	Score	482
Exons	9343..9765, 9344..9766		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99521	Strand	
Start	8695	End	11521
Name	OJ000207_11.0306.C13.o1.tm	Method	TBLASTX:Maize
Start	9514	End	9830
GI	none	Score	291
Exons	9514..9762, 9515..9769, 9770..9820, 9771..9830		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99521	Strand	
Start	8695	End	11521
Name	OJ000207_11.0306.C13.o2.tm	Method	TBLASTX:Maize
Start	9858	End	10242
GI	none	Score	80
Exons	9858..9944, 9927..10136, 9992..10135, 10147..10242, 10164..10223		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99521	Strand	
Start	8695	End	11521

Name	OJ000207_11.0306.C13.o3.tw	Method	TBLASTX:Wheat
Start	9914	End	10334
GI	none	Score	209
Exons	9914..9946, 9927..10136, 9992..10117, 10017..10151, 10144..10317, 10146..10334		

Seq. No.	46832	Seq. ID	OJ000207_11.0306.C13
Gene No.	99521	Strand	
Start	8695	End	11521
Name	OJ000207_11.0306.C13.o1.ts	Method	TBLASTX:Soybean
Start	9966	End	10317
GI	none	Score	140
Exons	9966..10130, 10147..10317		

Seq. No.	46833	Seq. ID	OJ000207_11.0306.C14
Gene No.	99522	Strand	+
Start	2568	End	4439
Name	OJ000207_11.0306.C14.o1.gs	Method	GENSCAN
Start	2568	End	4405
GI	none	Score	.56
Exons	2568..2878, 2890..3453, 3786..4144, 4239..4405		

Seq. No.	46833	Seq. ID	OJ000207_11.0306.C14
Gene No.	99522	Strand	+
Start	2568	End	4439
Name	OJ000207_11.0306.C14.o1.np	Method	AAT/NAP
Start	3835	End	4439
GI	7523391	Score	355
Exons	3835..3991, 4025..4144, 4239..4439		
GI Descrip.	(AL138640) putative protein [Arabidopsis thaliana]		

Seq. No.	46833	Seq. ID	OJ000207_11.0306.C14
Gene No.	99522	Strand	+
Start	2568	End	4439
Name	OJ000207_11.0306.C14.o1.gp	Method	AAT/GAP
Start	3913	End	4439
GI	uC-osroM202031b07b1	Score	838
Exons	3913..4144, 4239..4439		
GI Descrip.	'5901892/ref|NP_009017.1|pAND-1| 3.0e-11 AND-1 protein >gi_3287173_emb_CAA06932_ (AJ006266) AND-1 protein [Homo sapiens]'		

Seq. No.	46834	Seq. ID	OJ000207_11.0306.C15
Gene No.	99523	Strand	+
Start	1	End	3277
Name	OJ000207_11.0306.C15.o1.np	Method	AAT/NAP
Start	1	End	3277
GI	7523391	Score	1384
Exons	1..881, 980..1156, 1254..1367, 2333..2437, 2649..2783, 2867..2923, 3006..3101, 3233..3277		
GI Descrip.	(AL138640) putative protein [Arabidopsis thaliana]		

Seq. No.	46834	Seq. ID	OJ000207_11.0306.C15
Gene No.	99523	Strand	+
Start	1	End	3277
Name	OJ000207_11.0306.C15.o1.gs	Method	GENSCAN
Start	150	End	3101

GI	none	Score	.95
Exons	150..881, 980..1156, 2333..2437, 2649..2783, 2943..3101		

Seq. No.	46835	Seq. ID	OJ000207_11.0306.C16
Gene No.	99524	Strand	+
Start	1	End	1047
Name	OJ000207_11.0306.C16.o1.np	Method	AAT/NAP
Start	1	End	948
GI	7523391	Score	233
Exons	1..151, 235..365, 484..732, 796..948		
GI Descrip.	(AL138640) putative protein [Arabidopsis thaliana]		

Seq. No.	46835	Seq. ID	OJ000207_11.0306.C16
Gene No.	99524	Strand	+
Start	1	End	1047
Name	OJ000207_11.0306.C16.o1.gs	Method	GENSCAN
Start	46	End	1047
GI	none	Score	.87
Exons	46..151, 235..365, 484..1047		

Seq. No.	46835	Seq. ID	OJ000207_11.0306.C16
Gene No.	99525	Strand	+
Start	4701	End	6324
Name	OJ000207_11.0306.C16.o3.gs	Method	GENSCAN
Start	4701	End	6324
GI	none	Score	.63
Exons	4701..4785, 4958..5175, 5275..6324		

Seq. No.	46835	Seq. ID	OJ000207_11.0306.C16
Gene No.	99526	Strand	-
Start	2094	End	4526
Name	OJ000207_11.0306.C16.o2.gs	Method	GENSCAN
Start	2094	End	3750
GI	none	Score	.63
Exons	2094..2263, 2931..3060, 3203..3260, 3746..3750		

Seq. No.	46835	Seq. ID	OJ000207_11.0306.C16
Gene No.	99526	Strand	-
Start	2094	End	4526
Name	OJ000207_11.0306.C16.o2.np	Method	AAT/NAP
Start	3338	End	4526
GI	5042463	Score	167
Exons	3338..3448, 3493..3647, 4346..4526		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	46836	Seq. ID	OJ000207_11.0306.C17
Gene No.	99527	Strand	+
Start	1055	End	1189
Name	OJ000207_11.0306.C17.o1.gs	Method	GENSCAN
Start	1055	End	1189
GI	none	Score	.49
Exons	1055..1189		

Seq. No.	46837	Seq. ID	OJ000207_11.0306.C18
Gene No.	99528	Strand	-
Start	1510	End	1741
Name	OJ000207_11.0306.C18.o1.np	Method	AAT/NAP

Start	1510	End	1741
GI	2626753	Score	78
Exons	1510..1612, 1691..1741		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	46838	Seq. ID	OJ000207_11.0306.C19
Gene No.	99529	Strand	-
Start	750	End	982
Name	OJ000207_11.0306.C19.o1.np	Method	AAT/NAP
Start	750	End	982
GI	2626753	Score	62
Exons	750..982		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	46839	Seq. ID	OJ000207_11.0306.C20
Gene No.	99530	Strand	+
Start	283	End	649
Name	OJ000207_11.0306.C20.o1.gs	Method	GENSCAN
Start	283	End	649
GI	none	Score	.44
Exons	283..408, 479..649		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99531	Strand	+
Start	12	End	293
Name	OJ000207_11.0306.C21.o1.gs	Method	GENSCAN
Start	12	End	293
GI	none	Score	1
Exons	12..293		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o2.np	Method	AAT/NAP
Start	188	End	3115
GI	4263831	Score	379
Exons	188..209, 2010..2592, 2718..3115		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o2.gs	Method	GENSCAN
Start	383	End	3044
GI	none	Score	.42
Exons	383..407, 584..647, 1295..1375, 2165..2459, 2664..3044		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o1.np	Method	AAT/NAP
Start	1926	End	3088
GI	629693	Score	481
Exons	1926..3088		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o2.ts	Method	TBLASTX:Soybean
Start	1980	End	2213
GI	none	Score	108
Exons	1980..2213, 2074..2196, 2079..2213		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o1.tw	Method	TBLASTX:Wheat
Start	1989	End	2396
GI	none	Score	207
Exons	1989..2396		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o2.tw	Method	TBLASTX:Wheat
Start	2682	End	2975
GI	none	Score	136
Exons	2682..2786, 2811..2975		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o1.ts	Method	TBLASTX:Soybean
Start	2757	End	3038
GI	none	Score	63
Exons	2757..3038, 2758..2850		

Seq. No.	46840	Seq. ID	OJ000207_11.0306.C21
Gene No.	99532	Strand	-
Start	188	End	3115
Name	OJ000207_11.0306.C21.o1.tm	Method	TBLASTX:Maize
Start	2787	End	3113
GI	none	Score	200
Exons	2787..3113		

Seq. No.	46841	Seq. ID	OJ000207_11.0306.C22
Gene No.	99533	Strand	+
Start	812	End	1418
Name	OJ000207_11.0306.C22.o2.gs	Method	GENSCAN
Start	812	End	1418
GI	none	Score	.82
Exons	812..885, 977..1117, 1265..1418		

Seq. No.	46841	Seq. ID	OJ000207_11.0306.C22
Gene No.	99534	Strand	+
Start	2521	End	3795
Name	OJ000207_11.0306.C22.o3.gs	Method	GENSCAN
Start	2521	End	3795
GI	none	Score	.99
Exons	2521..3795		

Seq. No.	46841	Seq. ID	OJ000207_11.0306.C22
Gene No.	99535	Strand	-
Start	1	End	447
Name	OJ000207_11.0306.C22.o1.np	Method	AAT/NAP
Start	1	End	447
GI	7248394	Score	473
Exons	1..447		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46841	Seq. ID	OJ000207_11.0306.C22
Gene No.	99536	Strand	-
Start	5790	End	5990
Name	OJ000207_11.0306.C22.o1.tm	Method	TBLASTX:Maize
Start	9	End	353
GI	none	Score	120
Exons	9..353, 76..201, 289..351		

Seq. No.	46841	Seq. ID	OJ000207_11.0306.C22
Gene No.	99536	Strand	-
Start	5790	End	5990
Name	OJ000207_11.0306.C22.o1.tw	Method	TBLASTX:Wheat
Start	225	End	450
GI	none	Score	112
Exons	225..446, 252..449, 271..450		

Seq. No.	46841	Seq. ID	OJ000207_11.0306.C22
Gene No.	99536	Strand	-
Start	5790	End	5990
Name	OJ000207_11.0306.C22.o4.gs	Method	GENSCAN
Start	5790	End	5990
GI	none	Score	.66
Exons	5790..5990		

Seq. No.	46842	Seq. ID	OJ000207_11.0306.C23
Gene No.	99537	Strand	+
Start	403	End	807
Name	OJ000207_11.0306.C23.o1.gp	Method	AAT/GAP
Start	403	End	807
GI	LIB3474-011-P1-K1-A9	Score	782
Exons	403..807		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	46842	Seq. ID	OJ000207_11.0306.C23
Gene No.	99538	Strand	+
Start	726	End	2308
Name	OJ000207_11.0306.C23.o1.np	Method	AAT/NAP
Start	726	End	2308
GI	7228448	Score	441
Exons	726..974, 1067..1231, 2285..2308		
GI Descrip.	(AP001366) ESTs AU068685(C30691),AU068684(C30691) correspond to a region of the predicted gene.; Similar to Genomic sequence for		

Arabidopsis thaliana BAC F21J9, F21J9.24. (AC000103) [Oryza sativa]

Seq. No.	46842	Seq. ID	OJ000207_11.0306.C23
Gene No.	99538	Strand	+
Start	726	End	2308
Name	OJ000207_11.0306.C23.o1.gs	Method	GENSCAN
Start	883	End	1822
GI	none	Score	.92
Exons	883..974, 1067..1822		

Seq. No.	46842	Seq. ID	OJ000207_11.0306.C23
Gene No.	99538	Strand	+
Start	726	End	2308
Name	OJ000207_11.0306.C23.o1.tm	Method	TBLASTX:Maize
Start	1067	End	1260
GI	none	Score	200
Exons	1067..1213, 1072..1260, 1073..1225		

Seq. No.	46843	Seq. ID	OJ000207_11.0306.C24
Gene No.	99539	Strand	-
Start	1	End	196
Name	OJ000207_11.0306.C24.o1.gp	Method	AAT/GAP
Start	1	End	196
GI	5003535	Score	365
Exons	1..196		
GI Descrip.	6069570/dbj|BAA85461.1| 3.0e-22 (AB022081) ORF-c [Brassica rapa]		

Seq. No.	46843	Seq. ID	OJ000207_11.0306.C24
Gene No.	99540	Strand	-
Start	1640	End	4300
Name	OJ000207_11.0306.C24.o1.np	Method	AAT/NAP
Start	1640	End	4300
GI	6063554	Score	98
Exons	1640..1809, 3871..3899, 4280..4300		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46843	Seq. ID	OJ000207_11.0306.C24
Gene No.	99540	Strand	-
Start	1640	End	4300
Name	OJ000207_11.0306.C24.o2.gp	Method	AAT/GAP
Start	2736	End	3308
GI	4879016	Score	802
Exons	2736..3308		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	46844	Seq. ID	OJ000207_11.0306.C25
Gene No.	99541	Strand	+
Start	2584	End	3160
Name	OJ000207_11.0306.C25.o1.gs	Method	GENSCAN
Start	2584	End	3160
GI	none	Score	.92
Exons	2584..2634, 2927..3160		

Seq. No.	46845	Seq. ID	OJ000117_19.0315.C1
Gene No.	99542	Strand	
Start	36	End	743
Name	OJ000117_19.0315.C1.o1.tw	Method	TBLASTX:Wheat
Start	36	End	371
GI	none	Score	73
Exons	36..65, 66..185, 73..180, 180..371, 283..351		

Seq. No.	46845	Seq. ID	OJ000117_19.0315.C1
Gene No.	99542	Strand	
Start	36	End	743
Name	OJ000117_19.0315.C1.o1.tm	Method	TBLASTX:Maize
Start	75	End	573
GI	none	Score	54
Exons	75..176, 79..174, 204..428, 265..420, 420..572, 421..573		

Seq. No.	46845	Seq. ID	OJ000117_19.0315.C1
Gene No.	99542	Strand	
Start	36	End	743
Name	OJ000117_19.0315.C1.o1.ts	Method	TBLASTX:Soybean
Start	183	End	743
GI	none	Score	97
Exons	183..368, 396..530, 516..743		

Seq. No.	46845	Seq. ID	OJ000117_19.0315.C1
Gene No.	99543	Strand	
Start	792	End	1034
Name	OJ000117_19.0315.C1.o2.tm	Method	TBLASTX:Maize
Start	792	End	1034
GI	none	Score	60
Exons	792..848, 793..849, 834..962, 874..963, 975..1034		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1381
GI	none	Score	977
Exons	1..828, 2..829, 626..835, 1056..1361, 1064..1381		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o1.tc	Method	TBLASTX:Cress
Start	40	End	1151
GI	none	Score	788
Exons	40..828, 49..849, 626..835, 1071..1151, 1079..1150		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o2.tw	Method	TBLASTX:Wheat
Start	186	End	303
GI	none	Score	187
Exons	186..302, 186..299, 187..303, 187..300		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o2.tm	Method	TBLASTX:Maize
Start	359	End	528
GI	none	Score	284
Exons	359..526, 360..527, 361..528		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o1.gp	Method	AAT/GAP
Start	444	End	885
GI	uC-osf1M202092b08b1	Score	827
Exons	444..885		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	528	End	1008
GI	none	Score	586
Exons	528..971, 528..968, 529..972, 626..973, 962..1006, 970..1008		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o1.tw	Method	TBLASTX:Wheat
Start	634	End	1060
GI	none	Score	195
Exons	634..759, 635..754, 637..756, 761..862, 762..974, 763..954, 889..1014, 910..1029, 958..1029, 959..1030, 1020..1058, 1024..1059, 1034..1060		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99544	Strand	-
Start	444	End	1381
Name	OJ000117_19.0315.C2.o2.tc	Method	TBLASTX:Cress
Start	1152	End	1369
GI	none	Score	151
Exons	1152..1367, 1154..1369		

Seq. No.	46846	Seq. ID	OJ000117_19.0315.C2
Gene No.	99545	Strand	
Start	1381	End	1626
Name	OJ000117_19.0315.C2.o2.ts	Method	TBLASTX:Soybean
Start	1381	End	1626
GI	none	Score	100
Exons	1381..1482, 1385..1489, 1386..1484, 1490..1615, 1493..1615, 1500..1619, 1501..1626		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4

Gene No.	99546	Strand	
Start	1326	End	1616
Name	OJ000117_19.0315.C4.o8.tw	Method	TBLASTX:Wheat
Start	1326	End	1616
GI	none	Score	207
Exons	1326..1616, 1344..1532, 1466..1579		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99547	Strand	
Start	2953	End	3592
Name	OJ000117_19.0315.C4.o2.tw	Method	TBLASTX:Wheat
Start	2953	End	3549
GI	none	Score	53
Exons	2953..3072, 3058..3549, 3283..3378, 3287..3388, 3440..3529		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99547	Strand	
Start	2953	End	3592
Name	OJ000117_19.0315.C4.o4.tm	Method	TBLASTX:Maize
Start	2974	End	3228
GI	none	Score	100
Exons	2974..3075, 2975..3076, 3055..3228, 3056..3181		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99547	Strand	
Start	2953	End	3592
Name	OJ000117_19.0315.C4.o5.tm	Method	TBLASTX:Maize
Start	3319	End	3592
GI	none	Score	44
Exons	3319..3405, 3415..3498, 3428..3502, 3485..3592, 3493..3591		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99548	Strand	
Start	3662	End	4080
Name	OJ000117_19.0315.C4.o4.tw	Method	TBLASTX:Wheat
Start	3662	End	4051
GI	none	Score	56
Exons	3662..3709, 3664..4050, 3673..3855, 3743..4051		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99548	Strand	
Start	3662	End	4080
Name	OJ000117_19.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	3730	End	4080
GI	none	Score	251
Exons	3730..4080, 3731..4057		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99549	Strand	
Start	4288	End	4759
Name	OJ000117_19.0315.C4.o6.tw	Method	TBLASTX:Wheat
Start	4288	End	4677
GI	none	Score	152
Exons	4288..4677, 4388..4642		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99549	Strand	

Start	4288	End	4759
Name	OJ000117_19.0315.C4.o2.ts	Method	TBLASTX:Soybean
Start	4412	End	4759
GI	none	Score	106
Exons	4412..4639, 4414..4641, 4658..4759		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99550	Strand	
Start	4694	End	5428
Name	OJ000117_19.0315.C4.o7.tw	Method	TBLASTX:Wheat
Start	4694	End	5006
GI	none	Score	123
Exons	4694..5005, 4697..4996, 4929..5006		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99550	Strand	
Start	4694	End	5428
Name	OJ000117_19.0315.C4.o3.tm	Method	TBLASTX:Maize
Start	4842	End	5288
GI	none	Score	40
Exons	4842..4868, 4844..4870, 4868..5041, 4881..5012, 5033..5287, 5034..5288		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99550	Strand	
Start	4694	End	5428
Name	OJ000117_19.0315.C4.o1.ts	Method	TBLASTX:Soybean
Start	4955	End	5386
GI	none	Score	41
Exons	4955..5386, 4989..5081, 5196..5339		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99550	Strand	
Start	4694	End	5428
Name	OJ000117_19.0315.C4.o3.tw	Method	TBLASTX:Wheat
Start	5010	End	5428
GI	none	Score	238
Exons	5010..5390, 5015..5389, 5393..5428		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99551	Strand	
Start	5513	End	5999
Name	OJ000117_19.0315.C4.o2.tm	Method	TBLASTX:Maize
Start	5513	End	5869
GI	none	Score	215
Exons	5513..5869, 5523..5828		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99551	Strand	
Start	5513	End	5999
Name	OJ000117_19.0315.C4.o1.tw	Method	TBLASTX:Wheat
Start	5543	End	5999
GI	none	Score	262
Exons	5543..5998, 5544..5999		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99551	Strand	

Start	5513	End	5999
Name	OJ000117_19.0315.C4.o3.ts	Method	TBLASTX:Soybean
Start	5594	End	5959
GI	none	Score	121
Exons	5594..5728, 5735..5959		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99552	Strand	
Start	6237	End	6625
Name	OJ000117_19.0315.C4.o5.tw	Method	TBLASTX:Wheat
Start	6237	End	6625
GI	none	Score	175
Exons	6237..6341, 6242..6625, 6258..6500		

Seq. No.	46847	Seq. ID	OJ000117_19.0315.C4
Gene No.	99553	Strand	
Start	7318	End	7638
Name	OJ000117_19.0315.C4.o9.tw	Method	TBLASTX:Wheat
Start	7318	End	7638
GI	none	Score	80
Exons	7318..7482, 7334..7492, 7503..7637, 7585..7638		

Seq. No.	46848	Seq. ID	OJ000117_19.0315.C5
Gene No.	99554	Strand	
Start	1102	End	2334
Name	OJ000117_19.0315.C5.o1.tw	Method	TBLASTX:Wheat
Start	1102	End	2310
GI	none	Score	78
Exons	1102..1170, 1177..1281, 1184..1276, 1294..1398, 1312..1368, 1387..1542, 1403..1576, 1555..2310, 1781..2065		

Seq. No.	46848	Seq. ID	OJ000117_19.0315.C5
Gene No.	99554	Strand	
Start	1102	End	2334
Name	OJ000117_19.0315.C5.o2.tm	Method	TBLASTX:Maize
Start	1406	End	1701
GI	none	Score	71
Exons	1406..1519, 1408..1527, 1531..1701, 1600..1689		

Seq. No.	46848	Seq. ID	OJ000117_19.0315.C5
Gene No.	99554	Strand	
Start	1102	End	2334
Name	OJ000117_19.0315.C5.o1.tc	Method	TBLASTX:Cress
Start	1597	End	2020
GI	none	Score	79
Exons	1597..2019, 1781..2020		

Seq. No.	46848	Seq. ID	OJ000117_19.0315.C5
Gene No.	99554	Strand	
Start	1102	End	2334
Name	OJ000117_19.0315.C5.o1.tm	Method	TBLASTX:Maize
Start	1951	End	2334
GI	none	Score	286
Exons	1951..2265, 1955..2266, 2266..2334		

Seq. No.	46849	Seq. ID	OJ000117_19.0315.C6
Gene No.	99555	Strand	

Start	76	End	840
Name	OJ000117_19.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	76	End	390
GI	none	Score	164
Exons	76..390, 87..389		

Seq. No.	46849	Seq. ID	OJ000117_19.0315.C6
Gene No.	99555	Strand	
Start	76	End	840
Name	OJ000117_19.0315.C6.o1.tc	Method	TBLASTX:Cress
Start	162	End	515
GI	none	Score	275
Exons	162..515		

Seq. No.	46849	Seq. ID	OJ000117_19.0315.C6
Gene No.	99555	Strand	
Start	76	End	840
Name	OJ000117_19.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	183	End	393
GI	none	Score	129
Exons	183..386, 183..389, 199..390,	208..393	

Seq. No.	46849	Seq. ID	OJ000117_19.0315.C6
Gene No.	99555	Strand	
Start	76	End	840
Name	OJ000117_19.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	243	End	678
GI	none	Score	95
Exons	243..482, 244..483, 547..678,	552..668	

Seq. No.	46849	Seq. ID	OJ000117_19.0315.C6
Gene No.	99555	Strand	
Start	76	End	840
Name	OJ000117_19.0315.C6.o2.tw	Method	TBLASTX:Wheat
Start	396	End	840
GI	none	Score	65
Exons	396..503, 397..507, 532..669,	552..668, 658..687, 661..840	

Seq. No.	46849	Seq. ID	OJ000117_19.0315.C6
Gene No.	99556	Strand	
Start	17862	End	18164
Name	OJ000117_19.0315.C6.o2.ts	Method	TBLASTX:Soybean
Start	17862	End	18164
GI	none	Score	198
Exons	17862..18164, 17894..18136		

Seq. No.	46850	Seq. ID	OJ000117_19.0315.C8
Gene No.	99557	Strand	-
Start	253	End	1061
Name	OJ000117_19.0315.C8.o1.ts	Method	TBLASTX:Soybean
Start	63	End	307
GI	none	Score	67
Exons	63..122, 63..122, 64..123, 64..123, 130..186, 132..185, 136..186, 170..307, 176..307		

Seq. No.	46850	Seq. ID	OJ000117_19.0315.C8
Gene No.	99557	Strand	-

Start	253	End	1061
Name	OJ000117_19.0315.C8.o1.gp	Method	AAT/GAP
Start	253	End	722
GI	uC-osflcyp097b05b1	Score	903
Exons	253..722		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	46850	Seq. ID	OJ000117_19.0315.C8
Gene No.	99557	Strand	-
Start	253	End	1061
Name	OJ000117_19.0315.C8.o1.tm	Method	TBLASTX:Maize
Start	519	End	1038
GI	none	Score	420
Exons	519..791, 519..791, 520..819, 521..820, 750..830, 766..831, 769..831, 831..1031, 859..1038, 874..1038		

Seq. No.	46850	Seq. ID	OJ000117_19.0315.C8
Gene No.	99557	Strand	-
Start	253	End	1061
Name	OJ000117_19.0315.C8.o1.tc	Method	TBLASTX:Cress
Start	685	End	1041
GI	none	Score	131
Exons	685..756, 687..770, 687..770, 765..809, 770..811, 781..834, 871..942, 872..958, 946..1041, 947..1039		

Seq. No.	46850	Seq. ID	OJ000117_19.0315.C8
Gene No.	99557	Strand	-
Start	253	End	1061
Name	OJ000117_19.0315.C8.o2.ts	Method	TBLASTX:Soybean
Start	718	End	1061
GI	none	Score	61
Exons	718..765, 720..764, 768..803, 770..802, 889..942, 893..958, 893..955, 946..1041, 948..1049, 948..1040, 1041..1061		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o1.tc	Method	TBLASTX:Cress
Start	2	End	1383
GI	none	Score	118
Exons	2..79, 3..77, 68..103, 81..107, 101..184, 107..184, 200..316, 202..318, 311..382, 320..373, 325..384, 327..386, 411..512, 412..510, 413..595, 420..596, 550..597, 611..655, 616..723, 663..779, 668..799, 670..777, 795..857, 796..903, 821..889, 858..926, 859..930, 859..927, 922..1002, 923..1003, 927..1004, 1023..1094, 1051..1197, 1058..1156, 1059..1190, 1259..1288, 1264..1290, 1264..1290, 1288..1383, 1297..1383		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130

Name	OJ000117_19.0315.C9.o4.tw	Method	TBLASTX:Wheat
Start	2	End	298
GI	none	Score	65
Exons	2..37, 3..35, 36..113, 39..95, 40..96, 99..164, 100..186, 160..207, 161..223, 164..232, 203..298, 221..298		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o4.tm	Method	TBLASTX:Maize
Start	250	End	377
GI	none	Score	176
Exons	250..375, 252..377, 254..376		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o5.ts	Method	TBLASTX:Soybean
Start	1030	End	2144
GI	none	Score	163
Exons	1030..1170, 1031..1195, 1039..1197, 1041..1196, 1258..1296, 1311..1403, 1328..1384, 1411..1515, 1411..1488, 1520..1549, 1522..1548, 1542..1607, 1544..1609, 1683..1745, 1733..1768, 1734..1775, 1775..1807, 1776..1811, 1827..1874, 1831..1881, 1833..1928, 1838..1960, 1838..1927, 1937..2143, 1944..2144		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o1.gp	Method	AAT/GAP
Start	1223	End	3193
GI	183_5.R1084	Score	2743
Exons	1223..2268, 2809..3193		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	1225	End	3104
GI	none	Score	507
Exons	1225..1527, 1225..1530, 1233..1532, 1525..1584, 1526..1609, 1527..1610, 1656..1874, 1657..1758, 1672..2139, 1673..3103, 1673..3085, 2634..3104		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o5.tc	Method	TBLASTX:Cress
Start	1384	End	1605
GI	none	Score	125
Exons	1384..1407, 1402..1545, 1409..1546, 1412..1543, 1413..1544,		

1536..1568, 1539..1580, 1570..1605

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o2.tc	Method	TBLASTX:Cress
Start	1665	End	5130
GI	none	Score	53
Exons	1665..1718, 1673..1708, 1690..1758, 1700..1774, 1704..1748, 1743..1844, 1764..1811, 1775..1849, 1813..1881, 1817..1933, 1818..1934, 1825..1938, 1826..1942, 1892..2413, 1893..2414, 1911..1937, 1937..2413, 5074..5130		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o1.tw	Method	TBLASTX:Wheat
Start	2024	End	2434
GI	none	Score	596
Exons	2024..2383, 2030..2368, 2375..2434		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o4.ts	Method	TBLASTX:Soybean
Start	2302	End	2704
GI	none	Score	235
Exons	2302..2457, 2303..2455, 2304..2483, 2456..2569, 2456..2569, 2581..2703, 2582..2704		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o4.tc	Method	TBLASTX:Cress
Start	2689	End	2849
GI	none	Score	190
Exons	2689..2829, 2694..2831, 2694..2849, 2728..2838		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o1.ts	Method	TBLASTX:Soybean
Start	2706	End	3430
GI	none	Score	199
Exons	2706..2831, 2706..2831, 2711..2833, 2824..3132, 2825..2869, 2885..3085, 2886..3131, 3138..3383, 3143..3382, 3157..3387, 3383..3430, 3386..3427		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o3.tw	Method	TBLASTX:Wheat
Start	2810	End	3029
GI	none	Score	59
Exons	2810..2842, 2811..2843, 2831..2962, 2847..2960, 2848..2961, 2919..3029, 2942..3025, 2946..3026		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o3.tc	Method	TBLASTX:Cress
Start	2896	End	3418
GI	none	Score	119
Exons	2896..3003, 2909..3001, 2993..3019, 2997..3131, 3011..3133, 3019..3132, 3138..3383, 3155..3382, 3383..3418, 3386..3415		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o2.tm	Method	TBLASTX:Maize
Start	3106	End	3460
GI	none	Score	585
Exons	3106..3459, 3107..3457, 3143..3460		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o3.tm	Method	TBLASTX:Maize
Start	3474	End	3598
GI	none	Score	181
Exons	3474..3593, 3495..3593, 3496..3594, 3511..3597, 3512..3598		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o3.ts	Method	TBLASTX:Soybean
Start	3543	End	3994
GI	none	Score	96
Exons	3543..3629, 3543..3629, 3544..3660, 3545..3658, 3613..3690, 3614..3673, 3616..3690, 3687..3962, 3688..3990, 3688..3993, 3692..3994, 3695..3994		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99558	Strand	+
Start	1223	End	5130
Name	OJ000117_19.0315.C9.o6.ts	Method	TBLASTX:Soybean
Start	3995	End	4221
GI	none	Score	372
Exons	3995..4219, 3997..4221, 3997..4221		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99559	Strand	
Start	5427	End	6200
Name	OJ000117_19.0315.C9.o2.ts	Method	TBLASTX:Soybean
Start	5427	End	5920
GI	none	Score	205
Exons	5427..5549, 5427..5762, 5429..5908, 5429..5920, 5512..5910		

Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99559	Strand	
Start	5427	End	6200
Name	OJ000117_19.0315.C9.o2.tw	Method	TBLASTX:Wheat
Start	5715	End	6200
GI	none	Score	271

Exons	5715..5897, 5716..5949, 5717..5956, 5717..5956, 5903..5995, 5945..5995, 5946..5996, 5955..5996, 5981..6049, 5994..6059, 6001..6021, 6007..6084, 6007..6048, 6009..6086, 6011..6091, 6013..6075, 6066..6200, 6066..6200		
Seq. No.	46851	Seq. ID	OJ000117_19.0315.C9
Gene No.	99559	Strand	
Start	5427	End	6200
Name	OJ000117_19.0315.C9.o6.tc	Method	TBLASTX:Cress
Start	5903	End	6135
GI	none	Score	54
Exons	5903..5995, 5917..5949, 5945..5995, 5946..5996, 5955..5996, 5981..6049, 5994..6059, 6001..6021, 6007..6084, 6007..6048, 6009..6086, 6011..6091, 6013..6075, 6066..6134, 6066..6134, 6079..6135		
Seq. No.	46852	Seq. ID	OJ000117_19.0315.C11
Gene No.	99560	Strand	
Start	10937	End	15730
Name	OJ000117_19.0315.C11.o1.tm	Method	TBLASTX:Maize
Start	10937	End	15730
GI	none	Score	46
Exons	10937..11041, 11021..11113, 15401..15730		
Seq. No.	46853	Seq. ID	OJ000117_19.0315.C12
Gene No.	99561	Strand	
Start	272	End	655
Name	OJ000117_19.0315.C12.o2.tw	Method	TBLASTX:Wheat
Start	272	End	655
GI	none	Score	81
Exons	272..655, 308..463, 324..521		
Seq. No.	46853	Seq. ID	OJ000117_19.0315.C12
Gene No.	99562	Strand	
Start	3887	End	4285
Name	OJ000117_19.0315.C12.o3.tw	Method	TBLASTX:Wheat
Start	3887	End	4285
GI	none	Score	73
Exons	3887..4285, 3978..4160		
Seq. No.	46853	Seq. ID	OJ000117_19.0315.C12
Gene No.	99563	Strand	
Start	6620	End	7030
Name	OJ000117_19.0315.C12.o1.tw	Method	TBLASTX:Wheat
Start	6620	End	7030
GI	none	Score	160
Exons	6620..6844, 6633..6845, 6833..7027, 6839..7030		
Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99564	Strand	
Start	1	End	199
Name	OJ000117_19.0315.C13.o3.tc	Method	TBLASTX:Cress
Start	1	End	199
GI	none	Score	168
Exons	1..153, 5..154, 7..168, 155..199, 160..195		
Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13

Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o2.tw	Method	TBLASTX:Wheat
Start	353	End	759
GI	none	Score	200
Exons	353..499, 353..514, 520..636, 621..752, 622..759	521..664, 522..608, 620..751,	

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o1.tc	Method	TBLASTX:Cress
Start	429	End	1722
GI	none	Score	85
Exons	429..515, 431..514, 439..519, 520..636, 521..664, 522..608, 620..751, 621..752, 882..1400, 891..959, 895..966, 896..1402, 896..1399, 1195..1404, 1408..1527, 1412..1528, 1515..1646, 1528..1722, 1549..1722		

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o2.tm	Method	TBLASTX:Maize
Start	552	End	1404
GI	none	Score	79
Exons	552..617, 553..624, 553..624, 618..752, 621..752, 882..1151, 891..959, 896..1159, 896..1150, 901..1170, 1152..1325, 1153..1218, 1154..1402, 1154..1399, 1195..1404		

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o2.ts	Method	TBLASTX:Soybean
Start	618	End	1272
GI	none	Score	166
Exons	618..752, 650..751, 882..1268, 887..1267, 899..1270, 1195..1272		

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o3.tw	Method	TBLASTX:Wheat
Start	887	End	1033
GI	none	Score	241
Exons	887..1033, 896..1033		

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o1.ts	Method	TBLASTX:Soybean
Start	1273	End	2457
GI	none	Score	452
Exons	1273..1668, 1361..1654, 1646..1723, 1647..1724, 1678..1905, 1729..1908, 1730..1906, 1908..1952, 1908..1949, 1909..1950, 1911..2057, 1944..2042, 2028..2126, 2029..2226, 2044..2253, 2159..2455, 2188..2457, 2194..2457		

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13

Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o1.tm	Method	TBLASTX:Maize
Start	1628	End	2457
GI	none	Score	1295
Exons	1628..1999, 1633..2457, 1635..2456, 1636..2457		

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o2.tc	Method	TBLASTX:Cress
Start	1978	End	2457
GI	none	Score	358
Exons	1978..2295, 2058..2126, 2059..2307, 2064..2303, 2317..2457, 2318..2455, 2322..2456, 2323..2457		

Seq. No.	46854	Seq. ID	OJ000117_19.0315.C13
Gene No.	99565	Strand	
Start	353	End	2457
Name	OJ000117_19.0315.C13.o1.tw	Method	TBLASTX:Wheat
Start	2010	End	2317
GI	none	Score	514
Exons	2010..2126, 2011..2316, 2011..2316, 2042..2317		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99566	Strand	+
Start	3084	End	3670
Name	OJ000117_19.0315.C14.o3.gp	Method	AAT/GAP
Start	3084	End	3670
GI	481_1.R1084	Score	1016
Exons	3084..3670		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99567	Strand	+
Start	5409	End	5804
Name	OJ000117_19.0315.C14.o5.gp	Method	AAT/GAP
Start	5409	End	5804
GI	2798177	Score	676
Exons	5409..5804		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99568	Strand	-
Start	1	End	1324
Name	OJ000117_19.0315.C14.o1.gp	Method	AAT/GAP
Start	1	End	1324
GI	3073_1.R1084	Score	2621
Exons	1..1324		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein		

S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99569	Strand	-
Start	1339	End	2441
Name	OJ000117_19.0315.C14.o2.gp	Method	AAT/GAP
Start	1339	End	2441
GI	2291_1.R1084	Score	2131
Exons	1339..2441		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o1.ts	Method	TBLASTX:Soybean
Start	2	End	4165
GI	none	Score	239
Exons	2..187, 3..197, 49..201, 782..811, 801..896, 806..955, 806..955, 1019..1126, 1130..1510, 1141..1509, 2724..3110, 2726..3115, 2729..2863, 2734..3129, 2767..3111, 3207..3326, 3232..3333, 3309..3503, 3321..3623, 3322..3612, 3609..3674, 3630..3938, 3691..3717, 3715..3936, 3751..3942, 3752..3958, 3931..4158, 3949..4158, 3953..4165, 4001..4165		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o2.tm	Method	TBLASTX:Maize
Start	2	End	1597
GI	none	Score	398
Exons	2..229, 3..245, 6..236, 46..264, 229..333, 278..352, 279..335, 283..396, 344..790, 344..802, 782..1021, 785..1063, 1016..1588, 1016..1123, 1018..1566, 1175..1573, 1368..1586, 1565..1597		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o7.tc	Method	TBLASTX:Cress
Start	2	End	239
GI	none	Score	165
Exons	2..187, 2..178, 3..197, 203..229, 204..239		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o1.tw	Method	TBLASTX:Wheat
Start	350	End	1116
GI	none	Score	638
Exons	350..745, 353..751, 782..1114, 785..1114, 982..1116		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-

Start	3857	End	5025
Name	OJ000117_19.0315.C14.o3.ts	Method	TBLASTX:Soybean
Start	401	End	729
GI	none	Score	267
Exons	401..727, 434..715, 439..729		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o5.tc	Method	TBLASTX:Cress
Start	404	End	919
GI	none	Score	317
Exons	404..727, 440..736, 651..758, 807..905, 808..912, 809..919		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o4.tc	Method	TBLASTX:Cress
Start	1151	End	2383
GI	none	Score	451
Exons	1151..1525, 1168..1524, 1196..1567, 1332..1574, 1647..1694, 1664..1690, 1815..1877, 1985..2029, 2025..2051, 2172..2264, 2178..2267, 2179..2268, 2261..2323, 2261..2305, 2342..2383, 2355..2375		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o3.tm	Method	TBLASTX:Maize
Start	1641	End	3471
GI	none	Score	639
Exons	1641..1697, 2726..3145, 2731..3150, 2767..3126, 3087..3203, 3135..3425, 3136..3426, 3169..3426, 3426..3470, 3426..3470, 3427..3471		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o3.tw	Method	TBLASTX:Wheat
Start	1667	End	2299
GI	none	Score	35
Exons	1667..1699, 1668..1700, 1733..1867, 1743..1904, 1743..1952, 1884..1973, 1884..1979, 1981..2088, 1986..2093, 1989..2102, 2087..2173, 2088..2174, 2090..2164, 2121..2297, 2126..2176, 2141..2299, 2149..2298		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o6.tm	Method	TBLASTX:Maize
Start	1743	End	2058
GI	none	Score	87
Exons	1743..1952, 1744..1803, 1755..1898, 1858..1899, 1884..1934, 1920..2027, 1923..2027, 1930..2028, 1985..2032, 1991..2032, 2022..2057, 2025..2057, 2029..2058		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14

Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o5.tm	Method	TBLASTX:Maize
Start	2103	End	2466
GI	none	Score	353
Exons	2103..2456, 2118..2465, 2173..2466		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o6.tw	Method	TBLASTX:Wheat
Start	2388	End	2783
GI	none	Score	49
Exons	2388..2453, 2389..2421, 2458..2538, 2459..2527, 2460..2528, 2523..2570, 2569..2592, 2571..2594, 2578..2703, 2608..2712, 2613..2738, 2613..2708, 2708..2782, 2709..2783		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o3.tc	Method	TBLASTX:Cress
Start	2724	End	3198
GI	none	Score	290
Exons	2724..3035, 2726..3046, 2732..3031, 2770..3045, 3026..3091, 3037..3084, 3166..3198		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o4.tw	Method	TBLASTX:Wheat
Start	2815	End	3207
GI	none	Score	524
Exons	2815..3126, 2816..3199, 2816..3127, 3090..3164, 3150..3203, 3153..3206, 3155..3205, 3169..3207		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o6.tc	Method	TBLASTX:Cress
Start	3232	End	3619
GI	none	Score	135
Exons	3232..3333, 3234..3326, 3309..3413, 3314..3346, 3321..3413, 3322..3414, 3367..3414, 3414..3611, 3415..3618, 3419..3619		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o5.tw	Method	TBLASTX:Wheat
Start	3360	End	3724
GI	none	Score	402
Exons	3360..3638, 3361..3621, 3363..3638, 3647..3703, 3647..3715, 3649..3705, 3685..3723, 3689..3724		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o1.tm	Method	TBLASTX:Maize

Start	3512	End	5025
GI	none	Score	78
Exons	3512..3574, 3513..3947, 3514..4158, 3530..4177, 3647..4177, 4095..4178, 4197..4247, 4210..4248, 4262..4288, 4333..4608, 4349..4630, 4349..4576, 4353..4604, 4628..4789, 4634..4789, 4735..4851, 4790..4873, 4791..4871, 4890..4907, 4891..4962, 4918..5001, 4919..4981, 4974..5024, 4993..5025		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o2.tc	Method	TBLASTX:Cress
Start	3645	End	4165
GI	none	Score	36
Exons	3645..3683, 3686..3727, 3694..3726, 3742..3936, 3743..3931, 3749..3958, 3751..3945, 3953..4165, 3961..4158, 3992..4162		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o2.tw	Method	TBLASTX:Wheat
Start	3796	End	4248
GI	none	Score	531
Exons	3796..4158, 3803..4177, 3804..4073, 3805..4158, 4197..4247, 4210..4248		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o4.gp	Method	AAT/GAP
Start	3857	End	4265
GI	uC-osf1cyp086h07a1	Score	782
Exons	3857..4265		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99570	Strand	-
Start	3857	End	5025
Name	OJ000117_19.0315.C14.o5.ts	Method	TBLASTX:Soybean
Start	4354	End	4543
GI	none	Score	209
Exons	4354..4542, 4358..4543		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99571	Strand	
Start	4986	End	5797
Name	OJ000117_19.0315.C14.o4.ts	Method	TBLASTX:Soybean
Start	4986	End	5238
GI	none	Score	84
Exons	4986..5087, 4993..5082, 4994..5086, 5067..5237, 5067..5228, 5068..5238, 5146..5238		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99571	Strand	
Start	4986	End	5797
Name	OJ000117_19.0315.C14.o4.tm	Method	TBLASTX:Maize

Start	5027	End	5313
GI	none	Score	270
Exons	5027..5197, 5028..5195, 5028..5198, 5196..5312, 5196..5312, 5200..5313		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99571	Strand	
Start	4986	End	5797
Name	OJ000117_19.0315.C14.o1.tc	Method	TBLASTX:Cress
Start	5193	End	5797
GI	none	Score	100
Exons	5193..5291, 5194..5289, 5268..5393, 5282..5404, 5291..5392, 5395..5451, 5395..5451, 5448..5492, 5448..5492, 5465..5524, 5507..5797, 5536..5775		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99571	Strand	
Start	4986	End	5797
Name	OJ000117_19.0315.C14.o8.tm	Method	TBLASTX:Maize
Start	5335	End	5591
GI	none	Score	86
Exons	5335..5391, 5336..5392, 5397..5450, 5398..5463, 5398..5448, 5513..5572, 5517..5591, 5517..5570		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99571	Strand	
Start	4986	End	5797
Name	OJ000117_19.0315.C14.o2.ts	Method	TBLASTX:Soybean
Start	5507	End	5791
GI	none	Score	373
Exons	5507..5791, 5514..5783, 5536..5790, 5561..5791		

Seq. No.	46855	Seq. ID	OJ000117_19.0315.C14
Gene No.	99571	Strand	
Start	4986	End	5797
Name	OJ000117_19.0315.C14.o7.tm	Method	TBLASTX:Maize
Start	5598	End	5792
GI	none	Score	292
Exons	5598..5783, 5599..5790, 5600..5791, 5613..5792		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99572	Strand	+
Start	3281	End	3444
Name	OJ000117_19.0315.C15.o2.gp	Method	AAT/GAP
Start	3281	End	3444
GI	uC-osflcyp084g07a1	Score	201
Exons	3281..3444		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99573	Strand	+
Start	3574	End	4025
Name	OJ000117_19.0315.C15.o3.gp	Method	AAT/GAP
Start	3574	End	4025
GI	uC-osflcyp003h11b1	Score	868
Exons	3574..4025		

GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZOP photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99574	Strand	+
Start	7480	End	7647
Name	OJ000117_19.0315.C15.o6.gp	Method	AAT/GAP
Start	7480	End	7647
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	7480..7647		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99575	Strand	-
Start	2619	End	3124
Name	OJ000117_19.0315.C15.o1.gp	Method	AAT/GAP
Start	2619	End	3124
GI	uC-osf1cyp011b01b1	Score	974
Exons	2619..3124		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99576	Strand	-
Start	5179	End	5733
Name	OJ000117_19.0315.C15.o4.gp	Method	AAT/GAP
Start	5179	End	5733
GI	2896_1.R1084	Score	1017
Exons	5179..5733		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o6.tm	Method	TBLASTX:Maize
Start	1	End	246
GI	none	Score	371
Exons	1..246, 1..246		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o6.ts	Method	TBLASTX:Soybean

Start	1	End	447
GI	none	Score	535
Exons	1..444, 3..431, 7..447		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o6.tc	Method	TBLASTX:Cress
Start	195	End	636
GI	none	Score	148
Exons	195..326, 195..389, 206..337, 208..480, 208..447, 486..530, 542..580, 547..585, 571..636		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o2.ts	Method	TBLASTX:Soybean
Start	483	End	2024
GI	none	Score	188
Exons	483..659, 489..656, 814..894, 815..871, 913..1011, 919..1293, 942..1292, 1280..1480, 1293..1487, 1617..1664, 1617..1658, 1741..1767, 1783..1929, 1784..1873, 1905..2024, 1932..2024		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o5.tc	Method	TBLASTX:Cress
Start	1036	End	1278
GI	none	Score	325
Exons	1036..1278, 1038..1277, 1051..1278		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o7.tc	Method	TBLASTX:Cress
Start	1280	End	1488
GI	none	Score	61
Exons	1280..1474, 1282..1335, 1293..1487, 1393..1488		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o7.tm	Method	TBLASTX:Maize
Start	1932	End	2173
GI	none	Score	62
Exons	1932..1976, 1933..1977, 1935..1976, 1979..2173, 1981..2172		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o1.tc	Method	TBLASTX:Cress
Start	2109	End	4753
GI	none	Score	67
Exons	2109..2147, 2110..2163, 2110..2163, 2207..2281, 2215..2286, 2216..2284, 2322..2612, 2339..2617, 2340..2618, 2610..2987, 2622..2984, 3818..3844, 3915..4157, 3924..3950, 3928..4158, 3928..4158, 3990..4163, 4157..4195, 4170..4196, 4197..4412,		

4203..4400, 4207..4407, 4428..4556, 4435..4557, 4464..4556,
4556..4636, 4556..4636, 4668..4748, 4670..4753, 4673..4750

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o1.ts	Method	TBLASTX:Soybean
Start	2247	End	3491
GI	none	Score	47
Exons	2247..2282, 2254..2283, 2312..2617, 2313..2618, 2622..3026, 2623..2976, 2628..3014, 3003..3065, 3006..3065, 3022..3066, 3347..3385, 3351..3383, 3392..3445, 3393..3443, 3447..3491		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o3.tm	Method	TBLASTX:Maize
Start	2339	End	2981
GI	none	Score	295
Exons	2339..2617, 2340..2615, 2592..2981, 2623..2919, 2628..2978		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o2.tm	Method	TBLASTX:Maize
Start	3621	End	4385
GI	none	Score	62
Exons	3621..3647, 3653..3784, 3654..3695, 3683..3769, 3741..3773, 3774..3824, 3775..3825, 3775..3825, 3812..3883, 3813..3842, 3817..3894, 3818..3883, 3863..3973, 3872..4234, 3874..4161, 3879..4385, 3990..4385		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o4.ts	Method	TBLASTX:Soybean
Start	3792	End	4467
GI	none	Score	75
Exons	3792..3842, 3793..3843, 3793..3843, 3915..4151, 3924..3950, 3928..4158, 3928..4158, 3990..4163, 4156..4215, 4166..4204, 4251..4391, 4252..4428, 4253..4429, 4271..4429, 4441..4467		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o2.tw	Method	TBLASTX:Wheat
Start	4054	End	4303
GI	none	Score	73
Exons	4054..4134, 4065..4133, 4066..4134, 4067..4135, 4134..4301, 4136..4303, 4138..4302		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o3.tc	Method	TBLASTX:Cress
Start	4838	End	5250
GI	none	Score	218

Exons	4838..5089, 4838..5083, 4842..5087, 4852..5088, 5082..5246, 5082..5249, 5086..5250		
Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o4.tm	Method	TBLASTX:Maize
Start	5128	End	5442
GI	none	Score	509
Exons	5128..5442, 5130..5441		
Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o3.ts	Method	TBLASTX:Soybean
Start	5138	End	5582
GI	none	Score	106
Exons	5138..5239, 5142..5582, 5143..5580, 5276..5581		
Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o2.tc	Method	TBLASTX:Cress
Start	5253	End	5799
GI	none	Score	418
Exons	5253..5657, 5253..5654, 5257..5613, 5631..5798, 5652..5792, 5653..5799, 5674..5793		
Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o1.tw	Method	TBLASTX:Wheat
Start	5262	End	5691
GI	none	Score	652
Exons	5262..5690, 5262..5690, 5647..5691		
Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o10.tm	Method	TBLASTX:Maize
Start	5445	End	5654
GI	none	Score	82
Exons	5445..5510, 5514..5654, 5516..5653		
Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o5.tm	Method	TBLASTX:Maize
Start	6141	End	6431
GI	none	Score	311
Exons	6141..6311, 6142..6324, 6145..6312, 6315..6431, 6315..6431		
Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99577	Strand	-
Start	6294	End	6431
Name	OJ000117_19.0315.C15.o5.gp	Method	AAT/GAP
Start	6294	End	6418

GI	LIB3432-057-P1-K1-A8	Score	171
Exons	6294..6418		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99578	Strand	
Start	6642	End	8324
Name	OJ000117_19.0315.C15.o1.tm	Method	TBLASTX:Maize
Start	6642	End	7647
GI	none	Score	1284
Exons	6642..7448, 6644..7453, 6665..7447, 7456..7482, 7460..7483, 7484..7528, 7484..7522, 7515..7646, 7515..7646, 7516..7647, 7516..7647		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99578	Strand	
Start	6642	End	8324
Name	OJ000117_19.0315.C15.o5.ts	Method	TBLASTX:Soybean
Start	6687	End	7177
GI	none	Score	266
Exons	6687..6710, 6729..7166, 6729..6920, 6748..7167, 6749..7177		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99578	Strand	
Start	6642	End	8324
Name	OJ000117_19.0315.C15.o4.tc	Method	TBLASTX:Cress
Start	6729	End	7159
GI	none	Score	225
Exons	6729..7115, 6748..7158, 6749..7159		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99578	Strand	
Start	6642	End	8324
Name	OJ000117_19.0315.C15.o7.ts	Method	TBLASTX:Soybean
Start	7179	End	8228
GI	none	Score	199
Exons	7179..7328, 7181..7336, 7181..7336, 7487..7531, 7487..7513, 7514..7690, 7516..7692, 7533..7667, 7534..7695, 7743..7808, 7748..7801, 7749..7808, 7891..7962, 7903..7995, 7904..7996, 7904..8002, 7992..8045, 7999..8067, 8002..8046, 8057..8101, 8063..8140, 8103..8144, 8113..8139, 8170..8220, 8178..8228		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99578	Strand	
Start	6642	End	8324
Name	OJ000117_19.0315.C15.o9.tm	Method	TBLASTX:Maize
Start	7647	End	7840
GI	none	Score	226
Exons	7647..7805, 7648..7806, 7648..7809, 7649..7807, 7649..7810, 7809..7835, 7809..7835, 7811..7840, 7811..7837		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99578	Strand	
Start	6642	End	8324
Name	OJ000117_19.0315.C15.o9.tc	Method	TBLASTX:Cress
Start	7747	End	8324

GI	none	Score	59
Exons	7747..7791, 7820..7864, 7820..7909, 7900..7962, 7901..8044, 7905..8051, 7947..8045, 8008..8046, 8051..8137, 8061..8135, 8062..8136, 8173..8220, 8174..8233, 8223..8258, 8226..8255, 8295..8324		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99579	Strand	
Start	8923	End	9913
Name	OJ000117_19.0315.C15.o8.tc	Method	TBLASTX:Cress
Start	8923	End	9854
GI	none	Score	252
Exons	8923..9021, 9066..9227, 9079..9243, 9079..9243, 9324..9371, 9347..9424, 9636..9854, 9637..9837		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99579	Strand	
Start	8923	End	9913
Name	OJ000117_19.0315.C15.o8.ts	Method	TBLASTX:Soybean
Start	9066	End	9877
GI	none	Score	257
Exons	9066..9227, 9070..9243, 9075..9245, 9079..9243, 9255..9317, 9305..9376, 9312..9374, 9324..9368, 9624..9854, 9637..9840, 9637..9867, 9713..9877		

Seq. No.	46856	Seq. ID	OJ000117_19.0315.C15
Gene No.	99579	Strand	
Start	8923	End	9913
Name	OJ000117_19.0315.C15.o8.tm	Method	TBLASTX:Maize
Start	9666	End	9913
GI	none	Score	314
Exons	9666..9902, 9666..9860, 9670..9870, 9704..9913		

Seq. No.	46857	Seq. ID	OJ000117_19.0315.C18
Gene No.	99580	Strand	
Start	3	End	264
Name	OJ000117_19.0315.C18.o1.tw	Method	TBLASTX:Wheat
Start	3	End	264
GI	none	Score	67
Exons	3..44, 4..45, 4..90, 36..95, 36..110, 37..135, 41..127, 66..200, 74..262, 79..264, 80..262		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99581	Strand	-
Start	28	End	969
Name	OJ000117_19.0315.C20.o1.gp	Method	AAT/GAP
Start	28	End	969
GI	688_1.R1084	Score	1834
Exons	28..969		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o1.ts	Method	TBLASTX:Soybean
Start	1	End	547

GI	none	Score	246
Exons	1..171, 3..155, 147..275, 150..284, 154..300, 157..279, 200..280, 269..475, 270..461, 277..465, 417..545, 460..546, 461..547, 461..547		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o3.tc	Method	TBLASTX:Cress
Start	1	End	148
GI	none	Score	246
Exons	1..147, 2..148, 3..146		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o2.tc	Method	TBLASTX:Cress
Start	646	End	1007
GI	none	Score	40
Exons	646..681, 652..681, 653..685, 657..770, 669..779, 682..780, 682..795, 695..796, 743..880, 799..879, 831..887, 839..880, 882..1007, 882..1007		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o2.ts	Method	TBLASTX:Soybean
Start	799	End	1186
GI	none	Score	133
Exons	799..915, 800..880, 831..887, 894..923, 906..959, 919..972, 920..973, 953..1048, 962..1054, 965..1042, 970..1044, 1055..1108, 1056..1106, 1057..1119, 1057..1107, 1119..1169, 1124..1186, 1144..1170		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o2.gp	Method	AAT/GAP
Start	1001	End	1188
GI	2669_1.R1084	Score	319
Exons	1001..1188		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o1.tm	Method	TBLASTX:Maize
Start	1007	End	1188
GI	none	Score	298
Exons	1007..1186, 1008..1187, 1019..1186, 1021..1188		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o4.tc	Method	TBLASTX:Cress

Start	1016	End	1187
GI	none	Score	191
Exons	1016..1141, 1020..1142, 1021..1143, 1025..1144, 1074..1187, 1145..1186		

Seq. No.	46858	Seq. ID	OJ000117_19.0315.C20
Gene No.	99582	Strand	-
Start	1001	End	1188
Name	OJ000117_19.0315.C20.o1.tw	Method	TBLASTX:Wheat
Start	1082	End	1188
GI	none	Score	174
Exons	1082..1186, 1082..1186, 1083..1187, 1084..1188		

Seq. No.	46859	Seq. ID	OJ000117_19.0315.C24
Gene No.	99583	Strand	+
Start	678	End	1018
Name	OJ000117_19.0315.C24.o2.tm	Method	TBLASTX:Maize
Start	1	End	135
GI	none	Score	167
Exons	1..135, 1..108, 2..109, 3..113		

Seq. No.	46859	Seq. ID	OJ000117_19.0315.C24
Gene No.	99583	Strand	+
Start	678	End	1018
Name	OJ000117_19.0315.C24.o1.tw	Method	TBLASTX:Wheat
Start	575	End	963
GI	none	Score	83
Exons	575..634, 575..634, 576..653, 617..655, 631..654, 678..926, 682..948, 688..963		

Seq. No.	46859	Seq. ID	OJ000117_19.0315.C24
Gene No.	99583	Strand	+
Start	678	End	1018
Name	OJ000117_19.0315.C24.o1.tm	Method	TBLASTX:Maize
Start	659	End	975
GI	none	Score	380
Exons	659..955, 660..968, 661..975, 661..975		

Seq. No.	46859	Seq. ID	OJ000117_19.0315.C24
Gene No.	99583	Strand	+
Start	678	End	1018
Name	OJ000117_19.0315.C24.o1.gp	Method	AAT/GAP
Start	678	End	1018
GI	uC-osflm202104g03b1	Score	662
Exons	678..1018		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	46859	Seq. ID	OJ000117_19.0315.C24
Gene No.	99583	Strand	+
Start	678	End	1018
Name	OJ000117_19.0315.C24.o1.ts	Method	TBLASTX:Soybean
Start	734	End	888
GI	none	Score	168
Exons	734..841, 736..888, 736..888		

Seq. No.	46859	Seq. ID	OJ000117_19.0315.C24
Gene No.	99583	Strand	+
Start	678	End	1018
Name	OJ000117_19.0315.C24.o1.tc	Method	TBLASTX:Cress
Start	737	End	897
GI	none	Score	165
Exons	737..841, 737..883, 739..888, 739..897		

Seq. No.	46860	Seq. ID	OJ000217_11.0309.C1
Gene No.	99584	Strand	+
Start	337	End	1636
Name	OJ000217_11.0309.C1.o1.gp	Method	AAT/GAP
Start	337	End	1604
GI	1427_1.R1084	Score	474
Exons	337..422, 553..624, 961..1032, 1533..1604		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		

Seq. No.	46860	Seq. ID	OJ000217_11.0309.C1
Gene No.	99584	Strand	+
Start	337	End	1636
Name	OJ000217_11.0309.C1.o1.gs	Method	GENSCAN
Start	351	End	1604
GI	none	Score	.85
Exons	351..422, 553..624, 961..1032, 1533..1604		

Seq. No.	46860	Seq. ID	OJ000217_11.0309.C1
Gene No.	99584	Strand	+
Start	337	End	1636
Name	OJ000217_11.0309.C1.o1.tm	Method	TBLASTX:Maize
Start	359	End	1636
GI	none	Score	114
Exons	359..439, 361..423, 368..427, 547..624, 551..655, 552..626, 952..1050, 953..1051, 954..1031, 955..1032, 959..1033, 1521..1604, 1522..1605, 1531..1635, 1562..1636		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99585	Strand	+
Start	91	End	2759
Name	OJ000217_11.0309.C2.o1.gp	Method	AAT/GAP
Start	91	End	2759
GI	1427_1.R1084	Score	2060
Exons	91..218, 783..923, 1266..1337, 1834..1980, 2086..2759		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99585	Strand	+
Start	91	End	2759
Name	OJ000217_11.0309.C2.o1.gs	Method	GENSCAN
Start	838	End	2270
GI	none	Score	.81
Exons	838..923, 1306..1337, 1834..1980, 2086..2270		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99586	Strand	+
Start	2854	End	6038
Name	OJ000217_11.0309.C2.o1.np	Method	AAT/NAP
Start	2854	End	6032
GI	6466945	Score	874
Exons	2854..2930, 4251..4300, 4337..4431, 4508..4862, 5343..5583, 5617..6032		
GI Descrip.	(AC009176) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99586	Strand	+
Start	2854	End	6038
Name	OJ000217_11.0309.C2.o2.gs	Method	GENSCAN
Start	3938	End	6038
GI	none	Score	.67
Exons	3938..4144, 4241..4418, 4432..4866, 5080..5178, 5284..6038		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o1.tc	Method	TBLASTX:Cress
Start	131	End	2270
GI	none	Score	67
Exons	131..253, 158..253, 805..903, 1250..1336, 1267..1323, 1835..1981, 1839..1985, 1842..1934, 2070..2228, 2082..2270, 2084..2269		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	145	End	2270
GI	none	Score	122
Exons	145..249, 146..250, 805..903, 807..902, 1265..1336, 1267..1338, 1268..1336, 1806..1943, 1812..1934, 1835..1981, 1836..1985, 1836..1988, 2064..2225, 2064..2240, 2082..2270, 2084..2269, 2088..2225, 2091..2270		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o2.tw	Method	TBLASTX:Wheat
Start	146	End	2270
GI	none	Score	64
Exons	146..253, 2081..2269, 2082..2270		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o2.ts	Method	TBLASTX:Soybean
Start	1856	End	2273
GI	none	Score	167
Exons	1856..1981, 1857..1985, 2082..2273, 2186..2269		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-

Start	6918	End	8836
Name	OJ000217_11.0309.C2.o3.ts	Method	TBLASTX:Soybean
Start	4376	End	4862
GI	none	Score	62
Exons	4376..4432, 4506..4634, 4650..4727, 4746..4862, 4808..4861		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o4.tc	Method	TBLASTX:Cress
Start	4458	End	4862
GI	none	Score	135
Exons	4458..4700, 4800..4862		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	5375	End	5822
GI	none	Score	200
Exons	5375..5584, 5382..5582, 5634..5822, 5696..5782		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	5496	End	5924
GI	none	Score	79
Exons	5496..5582, 5634..5744, 5639..5746, 5701..5745, 5739..5876, 5739..5924		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o3.tc	Method	TBLASTX:Cress
Start	5664	End	6017
GI	none	Score	264
Exons	5664..6017, 5664..5957		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o2.gp	Method	AAT/GAP
Start	6915	End	7724
GI	uC-osflcyp125h03b1	Score	909
Exons	6915..7130, 7358..7477, 7566..7724		
GI Descrip.	'2827631/emb|CAA16584.1| 3.0e-35 (AL021636) putative protein [Arabidopsis thaliana]'		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o3.gs	Method	GENSCAN
Start	6918	End	8801
GI	none	Score	.78
Exons	6918..7130, 7358..7477, 7566..7742, 8588..8801		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o2.np	Method	AAT/NAP
Start	6930	End	8801
GI	7485364	Score	601
Exons	6930..7130, 7358..7477, 7566..7742, 8588..8801		
GI Descrip.	hypothetical protein F10N7.140 - Arabidopsis thaliana gi|2827631|emb|CAA16584.1| (AL021636) putative protein [Arabidopsis thaliana] gi|7270110|emb|CAB79924.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o4.ts	Method	TBLASTX:Soybean
Start	6948	End	8814
GI	none	Score	143
Exons	6948..7130, 6949..7131, 6999..7136, 7355..7480, 7365..7478, 7565..7744, 7566..7745, 8552..8800, 8587..8814, 8589..8777		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	7086	End	8644
GI	none	Score	64
Exons	7086..7136, 7086..7130, 7355..7480, 7365..7478, 7369..7488, 7565..7744, 7566..7745, 8564..8644, 8577..8642, 8590..8643		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o2.tc	Method	TBLASTX:Cress
Start	7656	End	8836
GI	none	Score	115
Exons	7656..7745, 8552..8836, 8589..8774, 8722..8802		

Seq. No.	46861	Seq. ID	OJ000217_11.0309.C2
Gene No.	99587	Strand	-
Start	6918	End	8836
Name	OJ000217_11.0309.C2.o3.tm	Method	TBLASTX:Maize
Start	8645	End	8802
GI	none	Score	143
Exons	8645..8800, 8646..8777, 8646..8801, 8647..8802, 8647..8802		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99588	Strand	+
Start	394	End	7715
Name	OJ000217_11.0309.C3.o1.gs	Method	GENSCAN
Start	394	End	7522
GI	none	Score	.52
Exons	394..550, 753..819, 1050..1420, 3614..3707, 3916..4071, 4579..4622, 4805..4882, 5144..5188, 5409..5563, 5610..5739, 5997..6193, 6447..6645, 6876..7522		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3

Gene No.	99588	Strand	+
Start	394	End	7715
Name	OJ000217_11.0309.C3.o2.np	Method	AAT/NAP
Start	3360	End	4063
GI	133867	Score	230
Exons	3360..3514, 3614..3707, 3965..4063		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99588	Strand	+
Start	394	End	7715
Name	OJ000217_11.0309.C3.o4.np	Method	AAT/NAP
Start	5035	End	5688
GI	7228450	Score	120
Exons	5035..5269, 5401..5478, 5575..5688		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99588	Strand	+
Start	394	End	7715
Name	OJ000217_11.0309.C3.o5.np	Method	AAT/NAP
Start	6716	End	7450
GI	732003	Score	148
Exons	6716..6796, 6975..7450		
GI Descrip.	OUTER MEMBRANE LIPOPROTEIN BLC PRECURSOR gi|2125977|pir||I84534 outer membrane lipoprotein - Escherichia coli gi|536993 (U14003) ORF_f177 [Escherichia coli] gi|717134 (U21726) lipocalin precursor [Escherichia coli] gi|1790592 (AE000487) outer membrane lipoprotein (lipocalin) [Escherichia coli]		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99588	Strand	+
Start	394	End	7715
Name	OJ000217_11.0309.C3.o1.gp	Method	AAT/GAP
Start	6763	End	7715
GI	10619_1.R1084	Score	1880
Exons	6763..7715		
GI Descrip.	'732003/sp|P39281|BLC_ECOLI 2.0e-16 OUTER MEMBRANE LIPOPROTEIN BLC PRECURSOR >gi_2125977_pir__I84534 outer membrane lipoprotein - Escherichia coli >gi_536993 (U14003) ORF_f177 [Escherichia coli] >gi_717134 (U21726) lipocalin precursor [Escherichia coli] >gi_1790592 (AE000487) outer membrane lipoprotein (lipocalin) [Escherichia coli]'		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99589	Strand	-
Start	382	End	781
Name	OJ000217_11.0309.C3.o1.np	Method	AAT/NAP
Start	382	End	781
GI	7485364	Score	309
Exons	382..605, 713..781		
GI Descrip.	hypothetical protein F10N7.140 - Arabidopsis thaliana gi|2827631|emb|CAA16584.1| (AL021636) putative protein [Arabidopsis thaliana] gi|7270110|emb|CAB79924.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99590	Strand	-
Start	2547	End	5666
Name	OJ000217_11.0309.C3.o3.np	Method	AAT/NAP
Start	2547	End	5666
GI	7106516	Score	177
Exons	2547..2656, 4674..4896, 5618..5666		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o2.tc	Method	TBLASTX:Cress
Start	375	End	782
GI	none	Score	115
Exons	375..545, 379..552, 381..608, 502..600, 713..781, 714..782		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o2.ts	Method	TBLASTX:Soybean
Start	378	End	605
GI	none	Score	83
Exons	378..569, 381..605, 493..600		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o2.tm	Method	TBLASTX:Maize
Start	379	End	789
GI	none	Score	217
Exons	379..600, 381..608, 388..609, 710..781, 713..775, 714..782, 721..789		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o4.tm	Method	TBLASTX:Maize
Start	3345	End	4063
GI	none	Score	84
Exons	3345..3398, 3361..3423, 3362..3424, 3426..3470, 3426..3491, 3446..3532, 3468..3530, 3611..3649, 3612..3653, 3651..3707, 3652..3708, 3658..3708, 3960..4007, 4010..4063		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o3.ts	Method	TBLASTX:Soybean
Start	3362	End	4007
GI	none	Score	77
Exons	3362..3424, 3367..3396, 3426..3470, 3446..3532, 3459..3530, 3612..3653, 3651..3707, 3652..3708, 3960..4007		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198

Name	OJ000217_11.0309.C3.o3.tc	Method	TBLASTX:Cress
Start	3364	End	4007
GI	none	Score	72
Exons	3364..3408, 3365..3424, 3426..3470, 3446..3532, 3468..3530, 3612..3653, 3652..3708, 3654..3707, 3960..4007		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o1.tm	Method	TBLASTX:Maize
Start	6965	End	7354
GI	none	Score	41
Exons	6965..6994, 6966..6995, 6989..7054, 6990..7013, 6997..7140, 6998..7138, 7138..7221, 7139..7354, 7322..7354		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o1.tc	Method	TBLASTX:Cress
Start	6987	End	7522
GI	none	Score	46
Exons	6987..7016, 6997..7110, 6998..7105, 7109..7141, 7139..7522, 7315..7425, 7486..7521		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o1.ts	Method	TBLASTX:Soybean
Start	6996	End	7417
GI	none	Score	40
Exons	6996..7013, 7000..7119, 7004..7105, 7109..7141, 7139..7417		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o3.tm	Method	TBLASTX:Maize
Start	7354	End	7716
GI	none	Score	258
Exons	7354..7425, 7355..7522, 7473..7526, 7627..7716		

Seq. No.	46862	Seq. ID	OJ000217_11.0309.C3
Gene No.	99591	Strand	-
Start	7989	End	8198
Name	OJ000217_11.0309.C3.o2.gs	Method	GENSCAN
Start	7989	End	8198
GI	none	Score	.96
Exons	7989..8198		

Seq. No.	46863	Seq. ID	OJ000217_11.0309.C6
Gene No.	99592	Strand	-
Start	372	End	2344
Name	OJ000217_11.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	369	End	780
GI	none	Score	177
Exons	369..566, 370..567, 649..780, 663..779		

Seq. No.	46863	Seq. ID	OJ000217_11.0309.C6

Gene No.	99592	Strand	-
Start	372	End	2344
Name	OJ000217_11.0309.C6.o1.gs	Method	GENSCAN
Start	372	End	2335
GI	none	Score	.92
Exons	372..563, 666..792, 1243..1424, 2237..2335		

Seq. No.	46863	Seq. ID	OJ000217_11.0309.C6
Gene No.	99592	Strand	-
Start	372	End	2344
Name	OJ000217_11.0309.C6.o1.np	Method	AAT/NAP
Start	422	End	2344
GI	6503292	Score	377
Exons	422..563, 666..792, 1243..1424, 1513..1704, 2225..2344		
GI Descrip.	(AC011713) ESTs gb|Z34732, gb|R89948 and gb|Z33946 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46863	Seq. ID	OJ000217_11.0309.C6
Gene No.	99592	Strand	-
Start	372	End	2344
Name	OJ000217_11.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	1242	End	1696
GI	none	Score	99
Exons	1242..1430, 1252..1344, 1496..1600, 1513..1692, 1634..1696		

Seq. No.	46863	Seq. ID	OJ000217_11.0309.C6
Gene No.	99592	Strand	-
Start	372	End	2344
Name	OJ000217_11.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	1495	End	2320
GI	none	Score	98
Exons	1495..1695, 1511..1693, 2240..2320		

Seq. No.	46863	Seq. ID	OJ000217_11.0309.C6
Gene No.	99592	Strand	-
Start	372	End	2344
Name	OJ000217_11.0309.C6.o2.tm	Method	TBLASTX:Maize
Start	1513	End	1698
GI	none	Score	128
Exons	1513..1695, 1516..1698		

Seq. No.	46864	Seq. ID	OJ000217_11.0309.C7
Gene No.	99593	Strand	-
Start	320	End	1336
Name	OJ000217_11.0309.C7.o1.gs	Method	GENSCAN
Start	320	End	1336
GI	none	Score	.56
Exons	320..568, 615..821, 1273..1336		

Seq. No.	46865	Seq. ID	OJ000217_11.0309.C8
Gene No.	99594	Strand	-
Start	277	End	387
Name	OJ000217_11.0309.C8.o1.gp	Method	AAT/GAP
Start	277	End	387
GI	5003747	Score	164
Exons	277..387		

Seq. No.	46866	Seq. ID	OJ000217_11.0309.C9
Gene No.	99595	Strand	+
Start	2201	End	2540
Name	OJ000217_11.0309.C9.o2.gp	Method	AAT/GAP
Start	2201	End	2540
GI	5771067	Score	655
Exons	2201..2540		

Seq. No.	46866	Seq. ID	OJ000217_11.0309.C9
Gene No.	99596	Strand	-
Start	1	End	121
Name	OJ000217_11.0309.C9.o1.gp	Method	AAT/GAP
Start	1	End	121
GI	5003747	Score	231
Exons	1..121		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99597	Strand	+
Start	6645	End	10339
Name	OJ000217_11.0309.C10.o2.gs	Method	GENSCAN
Start	6645	End	10339
GI	none	Score	.52
Exons	6645..6801, 7321..7421, 7769..7976, 8363..8387, 8479..8641, 9413..9541, 9923..10051, 10268..10339		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99598	Strand	+
Start	11012	End	14686
Name	OJ000217_11.0309.C10.o3.gp	Method	AAT/GAP
Start	10790	End	11404
GI	29375_1.R1084	Score	952
Exons	10790..10886, 11012..11404		
GI Descrip.	'2239091/emb|CAB06538| 2.0e-25 (Z84571) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99598	Strand	+
Start	11012	End	14686
Name	OJ000217_11.0309.C10.o2.np	Method	AAT/NAP
Start	10997	End	14408
GI	6469032	Score	1140
Exons	10997..11437, 13509..13728, 13764..14408		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99598	Strand	+
Start	11012	End	14686
Name	OJ000217_11.0309.C10.o3.gs	Method	GENSCAN
Start	11012	End	14411
GI	none	Score	.9
Exons	11012..11437, 13050..13112, 13509..14411		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99598	Strand	+
Start	11012	End	14686
Name	OJ000217_11.0309.C10.o4.gp	Method	AAT/GAP

Start	13549	End	14023
GI	uC-osf1cyp011e02b1	Score	905
Exons	13549..14023		
GI Descrip.	'2239083/emb|CAB06427| 7.0e-22 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99598	Strand	+
Start	11012	End	14686
Name	OJ000217_11.0309.C10.o5.gp	Method	AAT/GAP
Start	14171	End	14686
GI	16713_1.R1084	Score	969
Exons	14171..14686		
GI Descrip.	'2239083/emb|CAB06427| 2.0e-13 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99599	Strand	+
Start	15495	End	17435
Name	OJ000217_11.0309.C10.o4.gs	Method	GENSCAN
Start	15495	End	17435
GI	none	Score	.77
Exons	15495..15535, 15981..16106, 16275..16376, 17394..17435		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99600	Strand	-
Start	1	End	5457
Name	OJ000217_11.0309.C10.o1.np	Method	AAT/NAP
Start	1	End	4747
GI	951453	Score	1347
Exons	1..54, 521..763, 993..1343, 1424..1511, 1863..1969, 2516..2727, 2828..2930, 3809..3893, 4615..4747		
GI Descrip.	(M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99600	Strand	-
Start	1	End	5457
Name	OJ000217_11.0309.C10.o1.gp	Method	AAT/GAP
Start	23	End	1080
GI	LIB3479-007-Q6-K1-D7	Score	664
Exons	23..54, 521..763, 993..1080		
GI Descrip.	'951453 8.0e-46 (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]'		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99600	Strand	-
Start	1	End	5457
Name	OJ000217_11.0309.C10.o1.gs	Method	GENSCAN
Start	521	End	5457
GI	none	Score	.76
Exons	521..763, 993..1343, 1424..1511, 1863..1909, 2498..2710, 2835..2930, 4592..4757, 4961..5004, 5440..5457		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99600	Strand	-
Start	1	End	5457
Name	OJ000217_11.0309.C10.o2.gp	Method	AAT/GAP
Start	3799	End	4837
GI	5771068	Score	582
Exons	3799..3879, 4592..4837		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o2.tm	Method	TBLASTX:Maize
Start	1	End	3883
GI	none	Score	64
Exons	1..57, 1..57, 499..735, 500..754, 515..736, 522..797, 938..1345, 967..1350, 996..1346, 1422..1508, 1424..1510, 1845..1964, 1845..1934, 1862..1969, 1865..1969, 2495..2566, 2496..2522, 2534..2614, 2553..2615, 2630..2713, 2631..2714, 2826..2933, 2829..2933, 3806..3883		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o2.ts	Method	TBLASTX:Soybean
Start	1	End	1994
GI	none	Score	66
Exons	1..57, 1..57, 499..729, 515..736, 518..730, 519..749, 621..743, 988..1119, 989..1132, 991..1350, 993..1340, 1162..1350, 1364..1510, 1425..1508, 1845..1994, 1862..1954		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o4.tc	Method	TBLASTX:Cress
Start	1	End	1052
GI	none	Score	103
Exons	1..57, 515..766, 518..727, 522..764, 991..1050, 993..1052		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o2.tc	Method	TBLASTX:Cress
Start	1053	End	1507
GI	none	Score	115
Exons	1053..1199, 1053..1346, 1054..1344, 1364..1507, 1422..1505		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o3.tm	Method	TBLASTX:Maize
Start	10948	End	13691
GI	none	Score	196
Exons	10948..11130, 11009..11143, 11132..11443, 11200..11439, 13487..13690, 13488..13691		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10

Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	10990	End	14453
GI	none	Score	166
Exons	10990..11130, 11009..11140, 11171..11317, 11200..11337, 11299..11439, 11324..11446, 13461..13727, 13506..13652, 13508..13708, 13785..14048, 13892..14086, 14075..14356, 14076..14411, 14346..14453		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	11006	End	13736
GI	none	Score	186
Exons	11006..11140, 11011..11130, 11171..11338, 11212..11337, 11327..11443, 11335..11439, 13461..13736, 13503..13661, 13508..13708		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o2.tw	Method	TBLASTX:Wheat
Start	11009	End	11143
GI	none	Score	199
Exons	11009..11143, 11011..11130		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	13695	End	14414
GI	none	Score	45
Exons	13695..13739, 13784..13909, 13785..13916, 13913..14413, 13914..14414		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o5.tc	Method	TBLASTX:Cress
Start	13785	End	14048
GI	none	Score	164
Exons	13785..13991, 13986..14048, 13991..14047		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o3.tc	Method	TBLASTX:Cress
Start	14097	End	14411
GI	none	Score	359
Exons	14097..14411, 14156..14386		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o3.np	Method	AAT/NAP

Start	15488	End	17540
GI	7485171	Score	141
Exons	15488..15607, 17186..17540		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244915|emb|CAB10337.1| (Z97339) reverse transcriptase like protein [Arabidopsis thaliana] gi|7268307|emb|CAB78601.1| (AL161542) reverse transcriptase like protein [Arabidopsis thaliana]		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o3.tw	Method	TBLASTX:Wheat
Start	16421	End	16758
GI	none	Score	181
Exons	16421..16462, 16507..16758		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o4.tm	Method	TBLASTX:Maize
Start	17052	End	17474
GI	none	Score	65
Exons	17052..17177, 17053..17163, 17256..17474, 17272..17385		

Seq. No.	46867	Seq. ID	OJ000217_11.0309.C10
Gene No.	99601	Strand	-
Start	15488	End	17540
Name	OJ000217_11.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	17064	End	17511
GI	none	Score	158
Exons	17064..17192, 17212..17511, 17214..17492		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99602	Strand	+
Start	316	End	1404
Name	OJ000217_11.0309.C11.o1.gp	Method	AAT/GAP
Start	316	End	1404
GI	none	Score	1939
Exons	316..359, 437..1404		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99602	Strand	+
Start	316	End	1404
Name	OJ000217_11.0309.C11.o1.gs	Method	GENSCAN
Start	437	End	938
GI	none	Score	.73
Exons	437..938		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99603	Strand	+
Start	4848	End	6221
Name	OJ000217_11.0309.C11.o1.np	Method	AAT/NAP
Start	4848	End	6221
GI	2980772	Score	1379
Exons	4848..4991, 5019..6221		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99604	Strand	+
Start	9218	End	9286
Name	OJ000217_11.0309.C11.o2.np	Method	AAT/NAP
Start	9218	End	9286
GI	7523516	Score	61
Exons	9218..9286		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99605	Strand	-
Start	11174	End	12371
Name	OJ000217_11.0309.C11.o3.gs	Method	GENSCAN
Start	11174	End	12371
GI	none	Score	.45
Exons	11174..11210, 11300..11347, 12090..12275, 12313..12371		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99606	Strand	-
Start	13904	End	17665
Name	OJ000217_11.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	303	End	1029
GI	none	Score	56
Exons	303..389, 328..372, 434..526, 447..479, 462..506, 514..660, 524..634, 561..662, 675..812, 678..797, 898..939, 910..963, 965..1006, 970..1029		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99606	Strand	-
Start	13904	End	17665
Name	OJ000217_11.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	4875	End	5672
GI	none	Score	81
Exons	4875..4958, 4899..4973, 5013..5162, 5022..5420, 5168..5341, 5417..5620, 5418..5672, 5436..5672		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99606	Strand	-
Start	13904	End	17665
Name	OJ000217_11.0309.C11.o2.ts	Method	TBLASTX:Soybean
Start	5688	End	6029
GI	none	Score	95
Exons	5688..5777, 5690..5818, 5769..5918, 5771..5914, 5994..6029		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99606	Strand	-
Start	13904	End	17665
Name	OJ000217_11.0309.C11.o2.tm	Method	TBLASTX:Maize
Start	6069	End	6232
GI	none	Score	198
Exons	6069..6203, 6071..6232, 6167..6232		

Seq. No.	46868	Seq. ID	OJ000217_11.0309.C11
Gene No.	99606	Strand	-
Start	13904	End	17665
Name	OJ000217_11.0309.C11.o4.gs	Method	GENSCAN

Start	13904	End	17665
GI	none	Score	.46
Exons	13904..13974, 16433..16447, 17569..17665		

Seq. No.	46869	Seq. ID	OJ000217_11.0309.C13
Gene No.	99607	Strand	+
Start	1	End	132
Name	OJ000217_11.0309.C13.o1.gp	Method	AAT/GAP
Start	1	End	132
GI	none	Score	264
Exons	1..132		

Seq. No.	46869	Seq. ID	OJ000217_11.0309.C13
Gene No.	99608	Strand	+
Start	3671	End	3734
Name	OJ000217_11.0309.C13.o2.gp	Method	AAT/GAP
Start	3671	End	3734
GI	LIB3431-030-P1-N1-G8	Score	77
Exons	3671..3734		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o1.gs	Method	GENSCAN
Start	88	End	5038
GI	none	Score	.41
Exons	88..292, 425..1438, 1687..2811, 3296..3369, 3445..3531, 3698..3720, 3851..3931, 4044..4220, 4284..4409, 4923..5038		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o1.np	Method	AAT/NAP
Start	90	End	3920
GI	7228442	Score	2870
Exons	90..2734, 3902..3920		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o3.np	Method	AAT/NAP
Start	271	End	5886
GI	7228438	Score	2046
Exons	271..2209, 3492..3900, 3939..4057, 4202..5246, 5868..5886		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o2.np	Method	AAT/NAP

Start	557	End	3670
GI	5441880	Score	1703
Exons	557..1567, 2012..2043, 2302..2628, 3230..3369, 3478..3670		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o4.np	Method	AAT/NAP
Start	662	End	5886
GI	7228438	Score	1778
Exons	662..2209, 3492..3900, 3939..4057, 4202..5246, 5868..5886		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	1124	End	1719
GI	none	Score	256
Exons	1124..1474, 1129..1476, 1476..1580, 1480..1590, 1648..1719		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	1417	End	1794
GI	none	Score	65
Exons	1417..1566, 1421..1474, 1483..1596, 1620..1688, 1621..1794, 1643..1783		

Seq. No.	46870	Seq. ID	OJ000217_11.0309.C14
Gene No.	99609	Strand	+
Start	88	End	5886
Name	OJ000217_11.0309.C14.o1.gp	Method	AAT/GAP
Start	3484	End	3913
GI	LIB3433-020-P1-K1-A6	Score	825
Exons	3484..3913		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99610	Strand	+
Start	81	End	354
Name	OJ000217_11.0309.C15.o1.gs	Method	GENSCAN
Start	81	End	354
GI	none	Score	.75
Exons	81..179, 277..354		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99611	Strand	+
Start	5075	End	8225
Name	OJ000217_11.0309.C15.o1.gp	Method	AAT/GAP

Start	4914	End	5408
GI	5005020	Score	697
Exons	4914..5092, 5199..5408		
GI Descrip.	4768968/gb|AAD29697.1|AF140219_1 3.0e-17 (AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99611	Strand	+
Start	5075	End	8225
Name	OJ000217_11.0309.C15.o3.gs	Method	GENSCAN
Start	5075	End	7935
GI	none	Score	.8
Exons	5075..5092, 5199..5422, 6440..6578, 7649..7762, 7858..7935		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99611	Strand	+
Start	5075	End	8225
Name	OJ000217_11.0309.C15.o1.np	Method	AAT/NAP
Start	5181	End	7929
GI	4768968	Score	690
Exons	5181..5422, 6440..6578, 6667..6700, 6940..7038, 7546..7607, 7676..7774, 7858..7929		
GI Descrip.	(AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99611	Strand	+
Start	5075	End	8225
Name	OJ000217_11.0309.C15.o2.gp	Method	AAT/GAP
Start	6668	End	8225
GI	27779_1.R1084	Score	1084
Exons	6668..6700, 6940..7038, 7546..7599, 7677..7762, 7858..8225		
GI Descrip.	'4768968/gb|AAD29697.1|AF140219_1 2.0e-24 (AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]'		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99612	Strand	+
Start	8507	End	10078
Name	OJ000217_11.0309.C15.o4.gs	Method	GENSCAN
Start	8507	End	10078
GI	none	Score	.65
Exons	8507..10078		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964
Name	OJ000217_11.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	5183	End	7945
GI	none	Score	371
Exons	5183..5425, 5187..5420, 5345..5425, 5374..5427, 6426..6545, 6439..6579, 6441..6542, 6666..6704, 6667..6699, 6941..7033, 6942..7034, 6999..7076, 7537..7599, 7545..7601, 7676..7717, 7682..7738, 7841..7945, 7856..7945		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964

Name	OJ000217_11.0309.C15.o1.ts	Method	TBLASTX:Soybean
Start	5190	End	7034
GI	none	Score	348
Exons	5190..5420, 5198..5434, 6425..6532, 6441..6542, 6457..6573, 6467..6574, 6665..6703, 6667..6699, 6941..7033, 6942..7034		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964
Name	OJ000217_11.0309.C15.o5.gs	Method	GENSCAN
Start	10329	End	12964
GI	none	Score	.83
Exons	10329..10535, 10541..10595, 10847..11044, 12196..12530, 12809..12964		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964
Name	OJ000217_11.0309.C15.o2.tm	Method	TBLASTX:Maize
Start	10788	End	10962
GI	none	Score	187
Exons	10788..10961, 10789..10962, 10807..10962		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964
Name	OJ000217_11.0309.C15.o2.np	Method	AAT/NAP
Start	10798	End	12449
GI	6503297	Score	584
Exons	10798..11044, 12196..12449		
GI Descrip.	(AC011713) ESTs gb|AI994515 and gb|T44237 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964
Name	OJ000217_11.0309.C15.o1.tc	Method	TBLASTX:Cress
Start	10871	End	12395
GI	none	Score	207
Exons	10871..11050, 10873..11049, 10889..11098, 12195..12338, 12196..12339, 12360..12395		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964
Name	OJ000217_11.0309.C15.o1.tw	Method	TBLASTX:Wheat
Start	10930	End	12440
GI	none	Score	186
Exons	10930..11049, 10931..11050, 10934..11059, 12195..12338, 12196..12339, 12360..12440, 12361..12417		

Seq. No.	46871	Seq. ID	OJ000217_11.0309.C15
Gene No.	99613	Strand	-
Start	10329	End	12964
Name	OJ000217_11.0309.C15.o3.gp	Method	AAT/GAP
Start	12321	End	12518
GI	428050	Score	388

Exons	12321..12518		
Seq. No.	46872	Seq. ID	OJ000217_11.0309.C16
Gene No.	99614	Strand	+
Start	732	End	1128
Name	OJ000217_11.0309.C16.o1.gp	Method	AAT/GAP
Start	732	End	1128
GI	2312489	Score	734
Exons	732..1128		
Seq. No.	46872	Seq. ID	OJ000217_11.0309.C16
Gene No.	99615	Strand	-
Start	784	End	2048
Name	OJ000217_11.0309.C16.o1.gs	Method	GENSCAN
Start	784	End	2048
GI	none	Score	.72
Exons	784..870, 989..1034, 1063..1301, 1545..2048		
Seq. No.	46872	Seq. ID	OJ000217_11.0309.C16
Gene No.	99615	Strand	-
Start	784	End	2048
Name	OJ000217_11.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	978	End	1916
GI	none	Score	51
Exons	978..1037, 1007..1030, 1059..1301, 1105..1293, 1159..1302, 1542..1916, 1543..1752, 1545..1916		
Seq. No.	46872	Seq. ID	OJ000217_11.0309.C16
Gene No.	99615	Strand	-
Start	784	End	2048
Name	OJ000217_11.0309.C16.o1.np	Method	AAT/NAP
Start	1092	End	2006
GI	4583546	Score	655
Exons	1092..1301, 1545..2006		
GI Descrip.	(AJ010819) GrpE protein [Arabidopsis thaliana]		
Seq. No.	46872	Seq. ID	OJ000217_11.0309.C16
Gene No.	99615	Strand	-
Start	784	End	2048
Name	OJ000217_11.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	1117	End	1985
GI	none	Score	163
Exons	1117..1293, 1140..1301, 1542..1985, 1549..1962		
Seq. No.	46872	Seq. ID	OJ000217_11.0309.C16
Gene No.	99615	Strand	-
Start	784	End	2048
Name	OJ000217_11.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	1209	End	1763
GI	none	Score	76
Exons	1209..1301, 1210..1293, 1525..1746, 1542..1763		
Seq. No.	46873	Seq. ID	OJ000217_11.0309.C17
Gene No.	99616	Strand	-
Start	43	End	249
Name	OJ000217_11.0309.C17.o1.gs	Method	GENSCAN
Start	43	End	249

GI	none	Score	.99
Exons	43..249		

Seq. No.	46874	Seq. ID	OJ000217_11.0309.C18
Gene No.	99617	Strand	+
Start	57	End	1006
Name	OJ000217_11.0309.C18.o1.gs	Method	GENSCAN
Start	57	End	1006
GI	none	Score	.82
Exons	57..221, 484..645, 917..1006		

Seq. No.	46875	Seq. ID	OJ000207_13.0303.C2
Gene No.	99618	Strand	+
Start	510	End	1602
Name	OJ000207_13.0303.C2.o1.gp	Method	AAT/GAP
Start	510	End	1534
GI	1042_3:R1084	Score	727
Exons	510..557, 632..888, 1014..1066, 1312..1367, 1481..1534		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	46875	Seq. ID	OJ000207_13.0303.C2
Gene No.	99618	Strand	+
Start	510	End	1602
Name	OJ000207_13.0303.C2.o1.gs	Method	GENSCAN
Start	753	End	1533
GI	none	Score	.9
Exons	753..888, 1014..1066, 1312..1367, 1481..1533		

Seq. No.	46875	Seq. ID	OJ000207_13.0303.C2
Gene No.	99618	Strand	+
Start	510	End	1602
Name	OJ000207_13.0303.C2.o1.np	Method	AAT/NAP
Start	765	End	1602
GI	7443194	Score	394
Exons	765..888, 1014..1066, 1312..1367, 1481..1602		
GI Descrip.	photosystem II 10K protein - rice gi|1835731|gb|AAB46718.1| (U86018) photosystem II 10 kDa polypeptide [Oryza sativa]		

Seq. No.	46876	Seq. ID	OJ000207_13.0303.C3
Gene No.	99619	Strand	+
Start	1	End	442
Name	OJ000207_13.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	442
GI	7443194	Score	117
Exons	1..65, 347..442		
GI Descrip.	photosystem II 10K protein - rice gi|1835731|gb|AAB46718.1| (U86018) photosystem II 10 kDa polypeptide [Oryza sativa]		

Seq. No.	46876	Seq. ID	OJ000207_13.0303.C3
Gene No.	99620	Strand	+
Start	351	End	673
Name	OJ000207_13.0303.C3.o1.gp	Method	AAT/GAP
Start	351	End	673
GI	1042_1.R1084	Score	602
Exons	351..673		

GI Descrip.	'1835731 3.0e-61 (U86018) photosystem II 10 kDa polypeptide [Oryza sativa]'		
Seq. No.	46876	Seq. ID	OJ000207_13.0303.C3
Gene No.	99621	Strand	+
Start	1592	End	1929
Name	OJ000207_13.0303.C3.o1.gs	Method	GENSCAN
Start	1592	End	1929
GI	none	Score	.54
Exons	1592..1707, 1846..1929		
Seq. No.	46877	Seq. ID	OJ000207_13.0303.C4
Gene No.	99622	Strand	-
Start	777	End	916
Name	OJ000207_13.0303.C4.o1.gs	Method	GENSCAN
Start	777	End	916
GI	none	Score	.91
Exons	777..916		
Seq. No.	46878	Seq. ID	OJ000207_13.0303.C6
Gene No.	99623	Strand	+
Start	911	End	3328
Name	OJ000207_13.0303.C6.o1.gs	Method	GENSCAN
Start	911	End	3328
GI	none	Score	.41
Exons	911..996, 1184..1325, 3134..3328		
Seq. No.	46878	Seq. ID	OJ000207_13.0303.C6
Gene No.	99624	Strand	-
Start	5076	End	6485
Name	OJ000207_13.0303.C6.o1.np	Method	AAT/NAP
Start	5076	End	6485
GI	6983690	Score	998
Exons	5076..6125, 6322..6485		
GI Descrip.	(AJ132636) AE9 stearoyl-ACP desaturase [Gossypium hirsutum]		
Seq. No.	46878	Seq. ID	OJ000207_13.0303.C6
Gene No.	99624	Strand	-
Start	5076	End	6485
Name	OJ000207_13.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	5076	End	6095
GI	none	Score	80
Exons	5076..5150, 5136..5234, 5241..5936, 5370..5462, 5383..5937, 5982..6095		
Seq. No.	46878	Seq. ID	OJ000207_13.0303.C6
Gene No.	99624	Strand	-
Start	5076	End	6485
Name	OJ000207_13.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	5091	End	5478
GI	none	Score	119
Exons	5091..5231, 5091..5231, 5232..5276, 5232..5477, 5370..5453, 5383..5478		
Seq. No.	46878	Seq. ID	OJ000207_13.0303.C6
Gene No.	99624	Strand	-
Start	5076	End	6485

Name	OJ000207_13.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	5112	End	6095
GI	none	Score	306
Exons	5112..5234, 5241..5936, 5383..5922, 5982..6095		

Seq. No.	46878	Seq. ID	OJ000207_13.0303.C6
Gene No.	99624	Strand	-
Start	5076	End	6485
Name	OJ000207_13.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	5136	End	6083
GI	none	Score	40
Exons	5136..5234, 5241..5936, 5244..5279, 5383..5937, 5982..6083		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99625	Strand	+
Start	498	End	2242
Name	OJ000207_13.0303.C7.o1.gs	Method	GENSCAN
Start	498	End	2242
GI	none	Score	.98
Exons	498..641, 1764..2242		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99626	Strand	+
Start	4632	End	7198
Name	OJ000207_13.0303.C7.o3.gs	Method	GENSCAN
Start	4632	End	7198
GI	none	Score	.74
Exons	4632..4868, 4977..5080, 5256..5446, 7152..7198		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99627	Strand	+
Start	10037	End	13366
Name	OJ000207_13.0303.C7.o4.np	Method	AAT/NAP
Start	10037	End	13366
GI	5852096	Score	607
Exons	10037..10286, 11239..11521, 12925..13366		
GI Descrip.	(AL117264) zwh19.1 [Oryza sativa]		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99628	Strand	-
Start	3883	End	4452
Name	OJ000207_13.0303.C7.o2.gs	Method	GENSCAN
Start	3883	End	4452
GI	none	Score	.84
Exons	3883..4178, 4371..4452		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99629	Strand	-
Start	4372	End	8966
Name	OJ000207_13.0303.C7.o2.np	Method	AAT/NAP
Start	4372	End	8966
GI	6069646	Score	887
Exons	4372..5433, 8928..8966		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99629	Strand	-
Start	4372	End	8966
Name	OJ000207_13.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	4473	End	4928
GI	none	Score	40
Exons	4473..4547, 4598..4708, 4608..4823, 4617..4928, 4699..4824		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99629	Strand	-
Start	4372	End	8966
Name	OJ000207_13.0303.C7.o2.tw	Method	TBLASTX:Wheat
Start	4632	End	4838
GI	none	Score	60
Exons	4632..4838, 4699..4803		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99629	Strand	-
Start	4372	End	8966
Name	OJ000207_13.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	5254	End	5587
GI	none	Score	134
Exons	5254..5586, 5264..5587		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99630	Strand	
Start	10004	End	13018
Name	OJ000207_13.0303.C7.o3.tm	Method	TBLASTX:Maize
Start	10004	End	13018
GI	none	Score	92
Exons	10004..10117, 10166..10213, 11222..11359, 11244..11360, 11426..11515, 11427..11516, 12980..13018		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99630	Strand	
Start	10004	End	13018
Name	OJ000207_13.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	10010	End	11510
GI	none	Score	136
Exons	10010..10117, 10018..10077, 10169..10213, 10183..10212, 11213..11359, 11238..11360, 11426..11509, 11427..11510		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99630	Strand	
Start	10004	End	13018
Name	OJ000207_13.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	10049	End	11516
GI	none	Score	92
Exons	10049..10117, 10166..10216, 11213..11359, 11244..11360, 11426..11515, 11427..11516		

Seq. No.	46879	Seq. ID	OJ000207_13.0303.C7
Gene No.	99630	Strand	
Start	10004	End	13018
Name	OJ000207_13.0303.C7.o1.tw	Method	TBLASTX:Wheat

Start	11262	End	11515
GI	none	Score	143
Exons	11262..11360, 11264..11359, 11426..11515, 11427..11513		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99631	Strand	+
Start	1	End	2957
Name	OJ000207_13.0303.C8.o1:np	Method	AAT/NAP
Start	1	End	2957
GI	133435	Score	351
Exons	1..298, 2928..2957		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o2.ts	Method	TBLASTX:Soybean
Start	1	End	242
GI	none	Score	303
Exons	1..225, 2..238, 23..241, 24..242		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o1.gs	Method	GENSCAN
Start	1754	End	3334
GI	none	Score	.86
Exons	1754..2098, 2207..2327, 2445..2682, 2763..2973, 3070..3176, 3277..3334		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o2.np	Method	AAT/NAP
Start	1757	End	2973
GI	5679843	Score	1103
Exons	1757..2098, 2207..2356, 2445..2682, 2763..2973		
GI Descrip.	(AJ243961) Putitive Ser/Thr protein kinase [Oryza sativa]		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o3.ts	Method	TBLASTX:Soybean
Start	1851	End	2140
GI	none	Score	103
Exons	1851..2012, 1862..2140		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	1886	End	3180
GI	none	Score	103

Exons	1886..2140, 1887..2099, 1892..2164, 2207..2335, 2210..2335, 2444..2698, 2448..2672, 2501..2677, 2616..2702, 2762..2974, 2764..2982, 2771..2974, 2773..2988, 3065..3178, 3065..3103, 3070..3180		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	2210	End	3156
GI	none	Score	43
Exons	2210..2335, 2268..2336, 2444..2683, 2445..2669, 2720..2974, 2760..2975, 2761..2982, 3070..3156, 3071..3148		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o1.tc	Method	TBLASTX:Cress
Start	2242	End	3160
GI	none	Score	65
Exons	2242..2307, 2246..2335, 2336..2362, 2444..2665, 2445..2639, 2767..2991, 2780..2983, 3070..3156, 3071..3160		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	2526	End	2982
GI	none	Score	149
Exons	2526..2696, 2528..2683, 2758..2982, 2762..2974		

Seq. No.	46880	Seq. ID	OJ000207_13.0303.C8
Gene No.	99632	Strand	-
Start	1754	End	4938
Name	OJ000207_13.0303.C8.o1.gp	Method	AAT/GAP
Start	2763	End	4938
GI	LIB3477-007-P1-K1-A3	Score	976
Exons	2763..2973, 3070..3176, 3277..3374, 4809..4938		
GI Descrip.	'5852099/emb|CAB55406.1| 3.0e-41 (AL117264) zwh22.1 [Oryza sativa]'		

Seq. No.	46881	Seq. ID	OJ000207_13.0303.C9
Gene No.	99633	Strand	+
Start	594	End	2804
Name	OJ000207_13.0303.C9.o1.gs	Method	GENSCAN
Start	594	End	2785
GI	none	Score	.76
Exons	594..2785		

Seq. No.	46881	Seq. ID	OJ000207_13.0303.C9
Gene No.	99633	Strand	+
Start	594	End	2804
Name	OJ000207_13.0303.C9.o1.np	Method	AAT/NAP
Start	594	End	2804
GI	4680183	Score	3638
Exons	594..2804		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	46881	Seq. ID	OJ000207_13.0303.C9
Gene No.	99634	Strand	-
Start	157	End	466
Name	OJ000207_13.0303.C9.o1.gp	Method	AAT/GAP
Start	157	End	466
GI	5816559	Score	538
Exons	157..466		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	46881	Seq. ID	OJ000207_13.0303.C9
Gene No.	99635	Strand	
Start	1883	End	2285
Name	OJ000207_13.0303.C9.o1.tw	Method	TBLASTX:Wheat
Start	1883	End	2285
GI	none	Score	293
Exons	1883..2152, 1884..2285		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o3.tw	Method	TBLASTX:Wheat
Start	3	End	314
GI	none	Score	279
Exons	3..314, 29..295		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o1.gs	Method	GENSCAN
Start	30	End	1699
GI	none	Score	.84
Exons	30..532, 629..1699		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o3.tm	Method	TBLASTX:Maize
Start	188	End	335
GI	none	Score	183
Exons	188..334, 189..335		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	557	End	1013
GI	none	Score	491
Exons	557..1012, 558..1013		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o2.ts	Method	TBLASTX:Soybean
Start	597	End	962

GI	none	Score	138
Exons	597..821, 828..962		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o1.np	Method	AAT/NAP
Start	612	End	1845
GI	5902445	Score	2081
Exons	612..1845		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	687	End	1043
GI	none	Score	379
Exons	687..1043, 728..1033		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o5.tw	Method	TBLASTX:Wheat
Start	1013	End	1127
GI	none	Score	169
Exons	1013..1126, 1014..1127		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o2.tw	Method	TBLASTX:Wheat
Start	1128	End	1552
GI	none	Score	446
Exons	1128..1547, 1172..1552, 1247..1552		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	1206	End	1607
GI	none	Score	312
Exons	1206..1607, 1223..1366, 1403..1573		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o2.tm	Method	TBLASTX:Maize
Start	1274	End	1718
GI	none	Score	272
Exons	1274..1528, 1275..1529, 1299..1535, 1550..1681, 1551..1682, 1692..1718		

Seq. No.	46882	Seq. ID	OJ000207_13.0303.C10
Gene No.	99636	Strand	+
Start	30	End	1845
Name	OJ000207_13.0303.C10.o4.tw	Method	TBLASTX:Wheat

Start	1556	End	1832
GI	none	Score	277
Exons	1556..1633, 1557..1832, 1692..1823		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99637	Strand	+
Start	1	End	1614
Name	OJ000207_13.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	1611
GI	5902445	Score	2778
Exons	1..1611		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99637	Strand	+
Start	1	End	1614
Name	OJ000207_13.0303.C11.o1.gs	Method	GENSCAN
Start	62	End	1614
GI	none	Score	.73
Exons	62..1614		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o4.tm	Method	TBLASTX:Maize
Start	1	End	252
GI	none	Score	189
Exons	1..252, 6..113		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o3.tw	Method	TBLASTX:Wheat
Start	16	End	345
GI	none	Score	316
Exons	16..345, 18..125		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	480	End	843
GI	none	Score	450
Exons	480..791, 481..804, 501..824, 795..842, 796..843		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	486	End	873
GI	none	Score	420
Exons	486..797, 487..873, 682..873		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o3.tm	Method	TBLASTX:Maize

Start	945	End	1218
GI	none	Score	95
Exons	945..1052, 946..1044, 1035..1109, 1039..1122, 1132..1218		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o2.tw	Method	TBLASTX:Wheat
Start	988	End	1602
GI	none	Score	273
Exons	988..1266, 1008..1097, 1149..1250, 1351..1479, 1465..1602		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o2.tm	Method	TBLASTX:Maize
Start	1354	End	1563
GI	none	Score	136
Exons	1354..1482, 1422..1481, 1461..1562, 1462..1563		

Seq. No.	46883	Seq. ID	OJ000207_13.0303.C11
Gene No.	99638	Strand	-
Start	1934	End	2049
Name	OJ000207_13.0303.C11.o2.np	Method	AAT/NAP
Start	1934	End	2049
GI	5902446	Score	158
Exons	1934..2049		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	46884	Seq. ID	OJ000207_13.0303.C12
Gene No.	99639	Strand	-
Start	1	End	2598
Name	OJ000207_13.0303.C12.o1.np	Method	AAT/NAP
Start	1	End	2447
GI	6691716	Score	1847
Exons	1..136, 287..390, 466..653, 728..890, 984..1104, 1186..1378, 1577..2447		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46884	Seq. ID	OJ000207_13.0303.C12
Gene No.	99639	Strand	-
Start	1	End	2598
Name	OJ000207_13.0303.C12.o1.gs	Method	GENSCAN
Start	24	End	2598
GI	none	Score	.68
Exons	24..128, 201..390, 466..653, 728..1104, 1186..1343, 1535..1562, 1651..2598		

Seq. No.	46884	Seq. ID	OJ000207_13.0303.C12
Gene No.	99640	Strand	-
Start	3525	End	3834
Name	OJ000207_13.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	2037	End	2327
GI	none	Score	53
Exons	2037..2327, 2074..2145		

Seq. No.	46884	Seq. ID	OJ000207_13.0303.C12
Gene No.	99640	Strand	-
Start	3525	End	3834
Name	OJ000207_13.0303.C12.o1.gp	Method	AAT/GAP
Start	3525	End	3834
GI	5816559	Score	538
Exons	3525..3834		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	46885	Seq. ID	OJ000207_13.0303.C13
Gene No.	99641	Strand	+
Start	1008	End	2436
Name	OJ000207_13.0303.C13.o1.gs	Method	GENSCAN
Start	1008	End	2436
GI	none	Score	.77
Exons	1008..1073, 1310..1399, 1833..2003, 2371..2436		

Seq. No.	46885	Seq. ID	OJ000207_13.0303.C13
Gene No.	99642	Strand	-
Start	961	End	2036
Name	OJ000207_13.0303.C13.o1.np	Method	AAT/NAP
Start	961	End	2036
GI	5922623	Score	163
Exons	961..1037, 1225..1347, 1933..2036		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46885	Seq. ID	OJ000207_13.0303.C13
Gene No.	99643	Strand	-
Start	3410	End	3546
Name	OJ000207_13.0303.C13.o2.gs	Method	GENSCAN
Start	3410	End	3546
GI	none	Score	.79
Exons	3410..3546		

Seq. No.	46886	Seq. ID	OJ000207_13.0303.C15
Gene No.	99644	Strand	+
Start	1352	End	1914
Name	OJ000207_13.0303.C15.o2.np	Method	AAT/NAP
Start	1352	End	1914
GI	7486302	Score	319
Exons	1352..1914		
GI Descrip.	hypothetical protein F28J12.30 - Arabidopsis thaliana gi|2832642|emb|CAA16717.1| (AL021710) putative protein [Arabidopsis thaliana] gi|7268630|emb|CAB78839.1| (AL161548) putative protein [Arabidopsis thaliana]		

Seq. No.	46886	Seq. ID	OJ000207_13.0303.C15
Gene No.	99645	Strand	-
Start	1	End	2092
Name	OJ000207_13.0303.C15.o1.np	Method	AAT/NAP
Start	1	End	2092
GI	6016874	Score	58

Exons	1..89, 187..351, 2063..2092		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	46886	Seq. ID	OJ000207_13.0303.C15
Gene No.	99645	Strand	-
Start	1	End	2092
Name	OJ000207_13.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	1340	End	1922
GI	none	Score	240
Exons	1340..1516, 1344..1640, 1366..1653, 1414..1653, 1642..1719, 1642..1719, 1743..1919, 1744..1917, 1747..1920, 1755..1922		
Seq. No.	46886	Seq. ID	OJ000207_13.0303.C15
Gene No.	99645	Strand	-
Start	1	End	2092
Name	OJ000207_13.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	1429	End	1788
GI	none	Score	257
Exons	1429..1650, 1435..1596, 1440..1598, 1654..1737, 1738..1788		
Seq. No.	46886	Seq. ID	OJ000207_13.0303.C15
Gene No.	99645	Strand	-
Start	1	End	2092
Name	OJ000207_13.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	1456	End	1927
GI	none	Score	89
Exons	1456..1605, 1674..1919, 1675..1917, 1877..1927		
Seq. No.	46887	Seq. ID	OJ000207_13.0303.C17
Gene No.	99646	Strand	+
Start	481	End	2520
Name	OJ000207_13.0303.C17.o1.gs	Method	GENSCAN
Start	481	End	2520
GI	none	Score	.68
Exons	481..552, 2425..2520		
Seq. No.	46887	Seq. ID	OJ000207_13.0303.C17
Gene No.	99647	Strand	+
Start	4033	End	4132
Name	OJ000207_13.0303.C17.o1.gp	Method	AAT/GAP
Start	4033	End	4132
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	4033..4132		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	46887	Seq. ID	OJ000207_13.0303.C17
Gene No.	99648	Strand	-
Start	3298	End	3969
Name	OJ000207_13.0303.C17.o1.np	Method	AAT/NAP
Start	3234	End	3363
GI	7106528	Score	68
Exons	3234..3363		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	46887	Seq. ID	OJ000207_13.0303.C17
Gene No.	99648	Strand	-
Start	3298	End	3969
Name	OJ000207_13.0303.C17.o2.gs	Method	GENSCAN
Start	3298	End	3969
GI	none	Score	.59
Exons	3298..3407, 3774..3969		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99649	Strand	+
Start	1	End	2709
Name	OJ000207_13.0303.C18.o1.gp	Method	AAT/GAP
Start	1	End	2655
GI	15492_1.R1084	Score	933
Exons	1..116, 717..781, 869..985, 1397..1472, 2029..2121, 2471..2521, 2611..2655		
GI Descrip.	'4587514/gb|AAD25745.1|AC007060_3 1.0e-100 (AC007060) Similar to WO8E3.3 gi_3880615 putative GTP-binding protein from C. elegans cosmid gb_Z92773. EST gb_AA597331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99649	Strand	+
Start	1	End	2709
Name	OJ000207_13.0303.C18.o1.np	Method	AAT/NAP
Start	1	End	2706
GI	4587514	Score	774
Exons	1..116, 717..781, 869..985, 1397..1472, 2029..2121, 2471..2521, 2611..2706		
GI Descrip.	(AC007060) Similar to WO8E3.3 gi|3880615 putative GTP-binding protein from C. elegans cosmid gb|Z92773. EST gb|AA597331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99649	Strand	+
Start	1	End	2709
Name	OJ000207_13.0303.C18.o1.gs	Method	GENSCAN
Start	587	End	2709
GI	none	Score	.56
Exons	587..631, 717..781, 869..994, 1035..1056, 2029..2121, 2471..2521, 2611..2709		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o2.tm	Method	TBLASTX:Maize
Start	2	End	2714
GI	none	Score	144
Exons	2..124, 2..124, 3..125, 717..782, 758..781, 867..983, 869..985, 870..980, 1395..1475, 1398..1475, 2021..2122, 2026..2127, 2028..2123, 2388..2420, 2470..2520, 2471..2521, 2601..2714, 2610..2708		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-

Start	3280	End	5529
Name	OJ000207_13.0303.C18.o2.ts	Method	TBLASTX:Soybean
Start	2	End	2708
GI	none	Score	173
Exons	2..124, 3..125, 717..782, 868..966, 869..979, 870..977, 1395..1475, 1409..1474, 2026..2127, 2028..2123, 2455..2520, 2471..2521, 2601..2708, 2611..2670		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o2.tc	Method	TBLASTX:Cress
Start	2455	End	2711
GI	none	Score	70
Exons	2455..2517, 2471..2521, 2610..2711, 2611..2670		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	3277	End	4293
GI	none	Score	100
Exons	3277..3363, 3349..3450, 3445..3756, 3485..3721, 3748..4170, 3773..4171, 4168..4293, 4169..4213		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o2.np	Method	AAT/NAP
Start	3280	End	5529
GI	6957724	Score	908
Exons	3280..4335, 5506..5529		
GI Descrip.	(AC021640) putative stearoyl-acyl carrier protein desaturase [Arabidopsis thaliana]		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	3295	End	3682
GI	none	Score	44
Exons	3295..3435, 3397..3435, 3436..3525, 3436..3681, 3485..3682		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	3319	End	4305
GI	none	Score	97
Exons	3319..3438, 3445..3756, 3485..3718, 3766..4170, 3773..4171, 4175..4216, 4183..4305		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	3346	End	4305

GI	none	Score	87
Exons	3346..3438, 3445..3756, 3485..3718, 3748..4170, 3773..4171, 4168..4305, 4169..4213		

Seq. No.	46888	Seq. ID	OJ000207_13.0303.C18
Gene No.	99650	Strand	-
Start	3280	End	5529
Name	OJ000207_13.0303.C18.o2.gp	Method	AAT/GAP
Start	4629	End	4912
GI	569110	Score	526
Exons	4629..4912		

Seq. No.	46889	Seq. ID	OJ000207_13.0303.C19
Gene No.	99651	Strand	+
Start	1006	End	1125
Name	OJ000207_13.0303.C19.o1.gs	Method	GENSCAN
Start	1006	End	1125
GI	none	Score	.69
Exons	1006..1125		

Seq. No.	46890	Seq. ID	OJ000207_13.0303.C20
Gene No.	99652	Strand	+
Start	1478	End	2786
Name	OJ000207_13.0303.C20.o1.np	Method	AAT/NAP
Start	1478	End	2786
GI	5777617	Score	67
Exons	1478..1512, 2689..2786		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46890	Seq. ID	OJ000207_13.0303.C20
Gene No.	99653	Strand	-
Start	2772	End	7415
Name	OJ000207_13.0303.C20.o2.gs	Method	GENSCAN
Start	2772	End	7415
GI	none	Score	.42
Exons	2772..2839, 2957..3127, 3553..3717, 3786..4203, 4208..4215, 4560..4649, 4687..4837, 4896..4988, 6086..6165, 7206..7415		

Seq. No.	46890	Seq. ID	OJ000207_13.0303.C20
Gene No.	99653	Strand	-
Start	2772	End	7415
Name	OJ000207_13.0303.C20.o1.ts	Method	TBLASTX:Soybean
Start	3515	End	4146
GI	none	Score	93
Exons	3515..3661, 3536..3658, 3783..3833, 3829..3972, 4072..4146		

Seq. No.	46890	Seq. ID	OJ000207_13.0303.C20
Gene No.	99653	Strand	-
Start	2772	End	7415
Name	OJ000207_13.0303.C20.o2.np	Method	AAT/NAP
Start	3554	End	4197
GI	6016690	Score	317
Exons	3554..3662, 3784..4197		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	46890	Seq. ID	OJ000207_13.0303.C20
Gene No.	99653	Strand	-

Start	2772	End	7415
Name	OJ000207_13.0303.C20.o3.np	Method	AAT/NAP
Start	4372	End	5037
GI	5777617	Score	76
Exons	4372..4490, 4853..5037		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46891	Seq. ID	OJ000207_13.0303.C22
Gene No.	99654	Strand	+
Start	2242	End	3357
Name	OJ000207_13.0303.C22.o1.gs	Method	GENSCAN
Start	2242	End	3357
GI	none	Score	.7
Exons	2242..2435, 2672..3048, 3115..3357		

Seq. No.	46891	Seq. ID	OJ000207_13.0303.C22
Gene No.	99655	Strand	-
Start	2707	End	3009
Name	OJ000207_13.0303.C22.o1.ts	Method	TBLASTX:Soybean
Start	2704	End	3006
GI	none	Score	96
Exons	2704..2847, 2713..2880, 2720..2881, 2920..3006, 2953..3003		

Seq. No.	46891	Seq. ID	OJ000207_13.0303.C22
Gene No.	99655	Strand	-
Start	2707	End	3009
Name	OJ000207_13.0303.C22.o1.np	Method	AAT/NAP
Start	2707	End	3003
GI	7340702	Score	236
Exons	2707..3003		
GI Descrip.	(AL162507) ATP-dependent RNA helicase-like protein [Arabidopsis thaliana]		

Seq. No.	46891	Seq. ID	OJ000207_13.0303.C22
Gene No.	99655	Strand	-
Start	2707	End	3009
Name	OJ000207_13.0303.C22.o1.tc	Method	TBLASTX:Cress
Start	2713	End	3006
GI	none	Score	134
Exons	2713..2880, 2717..2881, 2935..3006		

Seq. No.	46891	Seq. ID	OJ000207_13.0303.C22
Gene No.	99655	Strand	-
Start	2707	End	3009
Name	OJ000207_13.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	2797	End	3009
GI	none	Score	106
Exons	2797..3009, 2798..2887, 2932..3009		

Seq. No.	46892	Seq. ID	OJ000207_13.0303.C23
Gene No.	99656	Strand	-
Start	491	End	599
Name	OJ000207_13.0303.C23.o1.gs	Method	GENSCAN
Start	491	End	599
GI	none	Score	.77
Exons	491..599		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99657	Strand	+
Start	3144	End	3578
Name	OJ000307_17.0331.C1.o1.gp	Method	AAT/GAP
Start	3144	End	3578
GI	none	Score	830
Exons	3144..3578		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99658	Strand	+
Start	5584	End	6655
Name	OJ000307_17.0331.C1.o2.gp	Method	AAT/GAP
Start	5584	End	6655
GI	uC-osflcyp065a12b1	Score	690
Exons	5584..5676, 5819..5891, 6139..6225, 6361..6438, 6585..6655		
GI Descrip.	'3080398/emb|CAA18718.1| 3.0e-11 (AL022603) putative protein [Arabidopsis thaliana]'		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99659	Strand	+
Start	8099	End	10620
Name	OJ000307_17.0331.C1.o1.tw	Method	TBLASTX:Wheat
Start	3280	End	10620
GI	none	Score	179
Exons	3280..3486, 3331..3378, 3445..3495, 3625..3666, 5818..5892, 5819..5893, 5828..5899, 6137..6241, 6137..6226, 6138..6230, 6356..6430, 6360..6428, 10534..10620		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99659	Strand	+
Start	8099	End	10620
Name	OJ000307_17.0331.C1.o3.tm	Method	TBLASTX:Maize
Start	5352	End	5474
GI	none	Score	185
Exons	5352..5474, 5354..5473		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99659	Strand	+
Start	8099	End	10620
Name	OJ000307_17.0331.C1.o1.ts	Method	TBLASTX:Soybean
Start	5369	End	5682
GI	none	Score	90
Exons	5369..5455, 5370..5477, 5370..5462, 5537..5680, 5574..5663, 5575..5682, 5575..5682		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99659	Strand	+
Start	8099	End	10620
Name	OJ000307_17.0331.C1.o1.tm	Method	TBLASTX:Maize
Start	6131	End	7374
GI	none	Score	96
Exons	6131..6241, 6136..6225, 6137..6226, 6334..6441, 6356..6439, 6360..6443, 6360..6449, 6577..6666, 6578..6664, 7109..7303, 7109..7315, 7110..7322, 7123..7335, 7327..7374, 7327..7368		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99659	Strand	+

Start	8099	End	10620
Name	OJ000307_17.0331.C1.o3.gp	Method	AAT/GAP
Start	8099	End	8587
GI	5667167	Score	847
Exons	8099..8587		
GI Descrip.	3080398/emb|CAA18718.1| 3.0e-11 (AL022603) putative protein [Arabidopsis thaliana]		

Seq. No.	46893	Seq. ID	OJ000307_17.0331.C1
Gene No.	99659	Strand	+
Start	8099	End	10620
Name	OJ000307_17.0331.C1.o2.tm	Method	TBLASTX:Maize
Start	8152	End	8351
GI	none	Score	120
Exons	8152..8229, 8153..8230, 8162..8239, 8235..8351, 8240..8326		

Seq. No.	46894	Seq. ID	OJ000307_17.0331.C2
Gene No.	99660	Strand	-
Start	945	End	1128
Name	OJ000307_17.0331.C2.o1.gp	Method	AAT/GAP
Start	945	End	1128
GI	LIB3475-007-P1-K1-G8	Score	293
Exons	945..1128		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	46895	Seq. ID	OJ000307_17.0331.C5
Gene No.	99661	Strand	
Start	1	End	189
Name	OJ000307_17.0331.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	189
GI	none	Score	215
Exons	1..189, 1..183, 3..188		

Seq. No.	46895	Seq. ID	OJ000307_17.0331.C5
Gene No.	99662	Strand	
Start	104	End	247
Name	OJ000307_17.0331.C5.o2.ts	Method	TBLASTX:Soybean
Start	104	End	247
GI	none	Score	126
Exons	104..247, 106..246		

Seq. No.	46895	Seq. ID	OJ000307_17.0331.C5
Gene No.	99663	Strand	
Start	340	End	790
Name	OJ000307_17.0331.C5.o1.ts	Method	TBLASTX:Soybean
Start	340	End	790
GI	none	Score	86
Exons	340..411, 399..509, 463..579, 619..789, 641..790		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99664	Strand	-
Start	3090	End	3554
Name	OJ000307_17.0331.C6.o1.gp	Method	AAT/GAP
Start	3090	End	3554
GI	95376_1.R1084	Score	893

Exons	3090..3554		
GI Descrip.	'4768986/gb|AAD29706.1|AF140493_1 1.0e-66 (AF140493) hypothetical protein [Oryza sativa]'		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99665	Strand	-
Start	4119	End	4538
Name	OJ000307_17.0331.C6.o2.gp	Method	AAT/GAP
Start	4119	End	4538
GI	4768985	Score	836
Exons	4119..4538		
GI Descrip.	4768986/gb|AAD29706.1|AF140493_1 1.0e-66 (AF140493) hypothetical protein [Oryza sativa]		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99666	Strand	-
Start	14243	End	14340
Name	OJ000307_17.0331.C6.o3.gp	Method	AAT/GAP
Start	14243	End	14340
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	14243..14340		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o7.tm	Method	TBLASTX:Maize
Start	2501	End	2786
GI	none	Score	268
Exons	2501..2782, 2502..2786, 2506..2784		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o1.tm	Method	TBLASTX:Maize
Start	2800	End	3297
GI	none	Score	600
Exons	2800..3297, 2802..3296		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o1.ts	Method	TBLASTX:Soybean
Start	3120	End	3816
GI	none	Score	106
Exons	3120..3200, 3282..3815, 3483..3794, 3712..3816		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o5.tw	Method	TBLASTX:Wheat
Start	3225	End	3659
GI	none	Score	240
Exons	3225..3659		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o5.tm	Method	TBLASTX:Maize
Start	3297	End	3677
GI	none	Score	195
Exons	3297..3677, 3304..3648, 3315..3674		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o10.tm	Method	TBLASTX:Maize
Start	3678	End	3935
GI	none	Score	88
Exons	3678..3815, 3703..3816, 3813..3935, 3833..3934		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o2.tm	Method	TBLASTX:Maize
Start	4091	End	4805
GI	none	Score	101
Exons	4091..4243, 4152..4253, 4152..4247, 4169..4321, 4172..4306, 4188..4322, 4238..4636, 4249..4638, 4325..4636, 4326..4637, 4553..4702, 4566..4697, 4628..4801, 4731..4805		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o9.tm	Method	TBLASTX:Maize
Start	8152	End	8443
GI	none	Score	41
Exons	8152..8250, 8245..8442, 8257..8307, 8330..8443		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o1.tw	Method	TBLASTX:Wheat
Start	8521	End	8886
GI	none	Score	292
Exons	8521..8562, 8563..8886		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o4.tm	Method	TBLASTX:Maize
Start	8611	End	9111
GI	none	Score	127
Exons	8611..8697, 8710..9081, 8852..9082, 8893..9111		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o4.tw	Method	TBLASTX:Wheat
Start	8980	End	9531
GI	none	Score	151
Exons	8980..9078, 9170..9295, 9271..9531		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o3.ts	Method	TBLASTX:Soybean
Start	9170	End	9681
GI	none	Score	219
Exons	9170..9259, 9328..9681		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o6.tm	Method	TBLASTX:Maize
Start	9282	End	13305
GI	none	Score	40
Exons	9282..9317, 9286..9849, 9406..9729, 9626..9763, 9627..9764, 12884..12943, 12892..13149, 12983..13129, 13118..13282, 13126..13305		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o3.tw	Method	TBLASTX:Wheat
Start	12946	End	13254
GI	none	Score	129
Exons	12946..13149, 12983..13135, 13142..13219, 13144..13239, 13144..13254		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o2.tw	Method	TBLASTX:Wheat
Start	13582	End	13918
GI	none	Score	117
Exons	13582..13896, 13592..13918		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o8.tm	Method	TBLASTX:Maize
Start	22301	End	22625
GI	none	Score	96
Exons	22301..22393, 22305..22433, 22430..22459, 22490..22564, 22491..22625, 22491..22616		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o3.tm	Method	TBLASTX:Maize
Start	24103	End	26865
GI	none	Score	88
Exons	24103..24201, 24110..24295, 24112..24204, 24125..24214, 24196..24303, 24208..24300, 24303..24368, 24380..24619, 24380..24613, 24418..24630, 25411..25482, 26023..26145, 26028..26141, 26029..26145, 26030..26149, 26432..26548, 26767..26865, 26769..26864		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o2.ts	Method	TBLASTX:Soybean
Start	24109	End	24607
GI	none	Score	68
Exons	24109..24333, 24128..24241, 24301..24375, 24341..24394, 24380..24565, 24380..24526, 24418..24564, 24436..24600, 24545..24607		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o4.ts	Method	TBLASTX:Soybean
Start	26028	End	26134
GI	none	Score	133
Exons	26028..26132, 26030..26134		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o6.tw	Method	TBLASTX:Wheat
Start	26029	End	26866
GI	none	Score	162
Exons	26029..26145, 26030..26149, 26031..26144, 26432..26548, 26465..26545, 26767..26865, 26768..26866, 26769..26864		

Seq. No.	46896	Seq. ID	OJ000307_17.0331.C6
Gene No.	99667	Strand	-
Start	26793	End	26866
Name	OJ000307_17.0331.C6.o4.gp	Method	AAT/GAP
Start	26793	End	26866
GI	LIB3474-003-P1-K1-G9	Score	148
Exons	26793..26866		
GI Descrip.	'1946371 3.0e-12 (U93215) regulatory protein Viviparous-1 isolog [Arabidopsis thaliana]'		

Seq. No.	46897	Seq. ID	OJ000307_17.0331.C7
Gene No.	99668	Strand	+
Start	191	End	1233
Name	OJ000307_17.0331.C7.o1.tc	Method	TBLASTX:Cress
Start	184	End	1111
GI	none	Score	100
Exons	184..252, 192..242, 337..441, 350..442, 351..443, 352..444, 977..1111		

Seq. No.	46897	Seq. ID	OJ000307_17.0331.C7
Gene No.	99668	Strand	+
Start	191	End	1233
Name	OJ000307_17.0331.C7.o1.tm	Method	TBLASTX:Maize
Start	184	End	1185
GI	none	Score	100
Exons	184..252, 187..258, 337..441, 344..439, 351..443, 352..444, 977..1183, 987..1154, 988..1173, 989..1183, 994..1185		

Seq. No.	46897	Seq. ID	OJ000307_17.0331.C7
Gene No.	99668	Strand	+

Start	191	End	1233
Name	OJ000307_17.0331.C7.o1.ts	Method	TBLASTX:Soybean
Start	184	End	1060
GI	none	Score	100
Exons	184..252, 190..258, 320..442, 337..441, 351..443, 977..1060		

Seq. No.	46897	Seq. ID	OJ000307_17.0331.C7
Gene No.	99668	Strand	+
Start	191	End	1233
Name	OJ000307_17.0331.C7.o1.gp	Method	AAT/GAP
Start	191	End	1233
GI	31129_1.R1084	Score	579
Exons	191..247, 350..440, 988..1233		
GI Descrip.	'3880625/emb|CAB07858.1| 3.0e-27 (Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this '		

Seq. No.	46898	Seq. ID	OJ000307_17.0331.C8
Gene No.	99669	Strand	+
Start	418	End	1531
Name	OJ000307_17.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	81	End	1109
GI	none	Score	148
Exons	81..281, 98..274, 103..297, 103..276, 105..281, 379..435, 381..521, 381..446, 440..538, 441..539, 441..539, 551..652, 551..652, 556..654, 726..785, 726..785, 727..786, 930..1019, 931..987, 999..1109, 999..1103		

Seq. No.	46898	Seq. ID	OJ000307_17.0331.C8
Gene No.	99669	Strand	+
Start	418	End	1531
Name	OJ000307_17.0331.C8.o1.gp	Method	AAT/GAP
Start	418	End	1531
GI	17884_1.R1084	Score	1624
Exons	418..651, 729..784, 925..1531		
GI Descrip.	'1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		

Seq. No.	46898	Seq. ID	OJ000307_17.0331.C8
Gene No.	99669	Strand	+
Start	418	End	1531
Name	OJ000307_17.0331.C8.o1.tw	Method	TBLASTX:Wheat
Start	477	End	1287
GI	none	Score	62
Exons	477..512, 477..527, 495..632, 500..634, 500..643, 623..652, 633..653, 726..785, 727..771, 734..784, 950..991, 951..995, 951..1013, 993..1094, 993..1076, 1024..1140, 1234..1287, 1244..1282		

Seq. No.	46899	Seq. ID	OJ000307_17.0331.C9
Gene No.	99670	Strand	
Start	37	End	1548
Name	OJ000307_17.0331.C9.o1.tm	Method	TBLASTX:Maize
Start	37	End	1548
GI	none	Score	46

Exons	37..66, 38..67, 81..362, 94..363, 95..361, 103..363, 108..365, 472..576, 473..574, 483..575, 757..1485, 758..1489, 1085..1489, 1192..1491, 1489..1548, 1490..1540		
Seq. No.	46899	Seq. ID	OJ000307_17.0331.C9
Gene No.	99670	Strand	
Start	37	End	1548
Name	OJ000307_17.0331.C9.o1.tc	Method	TBLASTX:Cress
Start	102	End	363
GI	none	Score	121
Exons	102..362, 145..363		
Seq. No.	46899	Seq. ID	OJ000307_17.0331.C9
Gene No.	99670	Strand	
Start	37	End	1548
Name	OJ000307_17.0331.C9.o1.ts	Method	TBLASTX:Soybean
Start	989	End	1389
GI	none	Score	55
Exons	989..1048, 991..1056, 1048..1389, 1053..1151, 1061..1384, 1198..1389		
Seq. No.	46900	Seq. ID	OJ000307_17.0331.C10
Gene No.	99671	Strand	
Start	302	End	711
Name	OJ000307_17.0331.C10.o1.tm	Method	TBLASTX:Maize
Start	302	End	711
GI	none	Score	118
Exons	302..391, 302..373, 388..504, 389..505, 390..512, 391..513, 402..530, 646..711, 646..711		
Seq. No.	46901	Seq. ID	OJ000307_17.0331.C12
Gene No.	99672	Strand	-
Start	1	End	1495
Name	OJ000307_17.0331.C12.o1.gp	Method	AAT/GAP
Start	1	End	1495
GI	31129_1.R1084	Score	843
Exons	1..85, 549..607, 1183..1495		
GI Descrip.	'3880625/emb|CAB07858.1| 3.0e-27 (Z93785) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:T01682 comes from this gene; cDNA EST EMBL:M75823 comes from this gene; cDNA EST EMBL:D27559 comes from this '		
Seq. No.	46901	Seq. ID	OJ000307_17.0331.C12
Gene No.	99673	Strand	
Start	7746	End	8069
Name	OJ000307_17.0331.C12.o1.tm	Method	TBLASTX:Maize
Start	7746	End	8069
GI	none	Score	137
Exons	7746..7880, 7757..7891, 7944..8069		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o4.tm	Method	TBLASTX:Maize
Start	126	End	516
GI	none	Score	101

Exons	126..284, 127..306, 128..283, 129..299, 289..471, 342..470, 475..516		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o4.tw	Method	TBLASTX:Wheat
Start	151	End	926
GI	none	Score	290
Exons	151..459, 153..350, 867..926		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o2.ts	Method	TBLASTX:Soybean
Start	214	End	570
GI	none	Score	224
Exons	214..471, 225..467, 475..570		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o5.tw	Method	TBLASTX:Wheat
Start	478	End	836
GI	none	Score	82
Exons	478..600, 501..599, 603..719, 608..715, 729..836		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o3.tm	Method	TBLASTX:Maize
Start	517	End	1133
GI	none	Score	65
Exons	517..600, 545..1003, 600..1043, 1038..1133		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o3.ts	Method	TBLASTX:Soybean
Start	609	End	848
GI	none	Score	189
Exons	609..848		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o2.tw	Method	TBLASTX:Wheat
Start	1032	End	1427
GI	none	Score	334
Exons	1032..1427, 1161..1415		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o1.tm	Method	TBLASTX:Maize
Start	1260	End	1897
GI	none	Score	752

Exons	1260..1895, 1361..1573, 1362..1895, 1688..1897		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o1.ts	Method	TBLASTX:Soybean
Start	1290	End	1667
GI	none	Score	321
Exons	1290..1667, 1367..1573		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99674	Strand	
Start	126	End	1907
Name	OJ000307_17.0331.C13.o3.tw	Method	TBLASTX:Wheat
Start	1515	End	1907
GI	none	Score	305
Exons	1515..1907, 1559..1894		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99675	Strand	
Start	1902	End	2541
Name	OJ000307_17.0331.C13.o2.tm	Method	TBLASTX:Maize
Start	1902	End	2541
GI	none	Score	380
Exons	1902..2303, 2000..2164, 2289..2540, 2343..2540, 2464..2541		
Seq. No.	46902	Seq. ID	OJ000307_17.0331.C13
Gene No.	99675	Strand	
Start	1902	End	2541
Name	OJ000307_17.0331.C13.o1.tw	Method	TBLASTX:Wheat
Start	1968	End	2369
GI	none	Score	341
Exons	1968..2369, 2000..2257		
Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99676	Strand	+
Start	5525	End	6985
Name	OJ000307_17.0331.C14.o1.gp	Method	AAT/GAP
Start	5525	End	6117
GI	none	Score	1137
Exons	5525..6117		
Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99676	Strand	+
Start	5525	End	6985
Name	OJ000307_17.0331.C14.o2.tm	Method	TBLASTX:Maize
Start	5557	End	5973
GI	none	Score	420
Exons	5557..5973, 5576..5971		
Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99676	Strand	+
Start	5525	End	6985
Name	OJ000307_17.0331.C14.o1.ts	Method	TBLASTX:Soybean
Start	5579	End	6777
GI	none	Score	65
Exons	5579..5740, 5903..6301, 6163..6228, 6304..6477, 6320..6484,		

6524..6769, 6568..6777

Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99676	Strand	+
Start	5525	End	6985
Name	OJ000307_17.0331.C14.o4.tm	Method	TBLASTX:Maize
Start	5975	End	6484
GI	none	Score	144
Exons	5975..6121, 5975..6091, 6098..6262, 6142..6258, 6334..6483, 6338..6484		

Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99676	Strand	+
Start	5525	End	6985
Name	OJ000307_17.0331.C14.o1.tc	Method	TBLASTX:Cress
Start	6152	End	6778
GI	none	Score	55
Exons	6152..6229, 6272..6331, 6337..6450, 6338..6484, 6539..6583, 6593..6778, 6625..6774		

Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99676	Strand	+
Start	5525	End	6985
Name	OJ000307_17.0331.C14.o1.tw	Method	TBLASTX:Wheat
Start	6430	End	6775
GI	none	Score	64
Exons	6430..6477, 6431..6484, 6542..6775, 6542..6706, 6568..6774		

Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99676	Strand	+
Start	5525	End	6985
Name	OJ000307_17.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	6536	End	6985
GI	none	Score	339
Exons	6536..6778, 6568..6777, 6854..6985, 6929..6973		

Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99677	Strand	
Start	9879	End	10178
Name	OJ000307_17.0331.C14.o3.tm	Method	TBLASTX:Maize
Start	9879	End	10178
GI	none	Score	73
Exons	9879..10025, 9927..10178, 9928..10149		

Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99677	Strand	
Start	9879	End	10178
Name	OJ000307_17.0331.C14.o2.ts	Method	TBLASTX:Soybean
Start	9939	End	10160
GI	none	Score	44
Exons	9939..9995, 9961..9993, 10014..10160, 10018..10149		

Seq. No.	46903	Seq. ID	OJ000307_17.0331.C14
Gene No.	99677	Strand	
Start	9879	End	10178
Name	OJ000307_17.0331.C14.o2.tc	Method	TBLASTX:Cress
Start	9945	End	10154

GI	none	Score	130
Exons	9945..10004, 10020..10154, 10021..10149		

Seq. No.	46904	Seq. ID	OJ000307_17.0331.C15
Gene No.	99678	Strand	
Start	5151	End	8523
Name	OJ000307_17.0331.C15.o1.ts	Method	TBLASTX:Soybean
Start	5151	End	8523
GI	none	Score	76
Exons	5151..5225, 5205..5390, 8284..8358, 8338..8523		

Seq. No.	46905	Seq. ID	OJ000307_17.0331.C16
Gene No.	99679	Strand	
Start	1	End	115
Name	OJ000307_17.0331.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	115
GI	none	Score	159
Exons	1..114, 2..115, 3..113		

Seq. No.	46905	Seq. ID	OJ000307_17.0331.C16
Gene No.	99680	Strand	
Start	799	End	1488
Name	OJ000307_17.0331.C16.o1.ts	Method	TBLASTX:Soybean
Start	799	End	1488
GI	none	Score	67
Exons	799..891, 803..880, 994..1056, 1001..1078, 1387..1440, 1388..1435, 1438..1488		

Seq. No.	46906	Seq. ID	OJ000307_16.0330.C1
Gene No.	99681	Strand	+
Start	369	End	493
Name	OJ000307_16.0330.C1.o1.gs	Method	GENSCAN
Start	369	End	493
GI	none	Score	.89
Exons	369..493		

Seq. No.	46906	Seq. ID	OJ000307_16.0330.C1
Gene No.	99682	Strand	-
Start	1	End	722
Name	OJ000307_16.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	722
GI	6630696	Score	1092
Exons	1..722		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	46906	Seq. ID	OJ000307_16.0330.C1
Gene No.	99682	Strand	-
Start	1	End	722
Name	OJ000307_16.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	42	End	426
GI	none	Score	249
Exons	42..104, 102..422, 118..426, 123..422, 139..423		

Seq. No.	46907	Seq. ID	OJ000307_16.0330.C2
Gene No.	99683	Strand	+

Start	1184	End	2259
Name	OJ000307_16.0330.C2.o1.gs	Method	GENSCAN
Start	1184	End	2259
GI	none	Score	.5
Exons	1184..1315, 2137..2259		

Seq. No.	46907	Seq. ID	OJ000307_16.0330.C2
Gene No.	99684	Strand	+
Start	5327	End	8944
Name	OJ000307_16.0330.C2.o1.np	Method	AAT/NAP
Start	5327	End	8944
GI	5042463	Score	177
Exons	5327..5548, 6209..6350, 6396..6504, 8920..8944		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	46907	Seq. ID	OJ000307_16.0330.C2
Gene No.	99685	Strand	-
Start	7553	End	12005
Name	OJ000307_16.0330.C2.o2.np	Method	AAT/NAP
Start	7553	End	12005
GI	6815052	Score	1793
Exons	7553..7671, 8248..8322, 8404..9138, 9187..9331, 10113..10205, 11068..11167, 11465..11586, 11869..12005		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46907	Seq. ID	OJ000307_16.0330.C2
Gene No.	99685	Strand	-
Start	7553	End	12005
Name	OJ000307_16.0330.C2.o1.tw	Method	TBLASTX:Wheat
Start	9392	End	9886
GI	none	Score	90
Exons	9392..9682, 9703..9855, 9707..9886		

Seq. No.	46907	Seq. ID	OJ000307_16.0330.C2
Gene No.	99685	Strand	-
Start	7553	End	12005
Name	OJ000307_16.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	9494	End	9868
GI	none	Score	107
Exons	9494..9688, 9683..9868		

Seq. No.	46908	Seq. ID	OJ000307_16.0330.C3
Gene No.	99686	Strand	+
Start	344	End	3335
Name	OJ000307_16.0330.C3.o1.gs	Method	GENSCAN
Start	344	End	3335
GI	none	Score	.45
Exons	344..452, 537..820, 2556..3335		

Seq. No.	46908	Seq. ID	OJ000307_16.0330.C3
Gene No.	99687	Strand	+
Start	3405	End	3543
Name	OJ000307_16.0330.C3.o1.gp	Method	AAT/GAP
Start	3405	End	3543
GI	LIB3432-008-P1-K1-F11	Score	131
Exons	3405..3430, 3461..3543		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	46908	Seq. ID	OJ000307_16.0330.C3
Gene No.	99688	Strand	+
Start	6213	End	9127
Name	OJ000307_16.0330.C3.o2.gs	Method	GENSCAN
Start	6213	End	8204
GI	none	Score	.75
Exons	6213..6233, 6717..8204		

Seq. No.	46908	Seq. ID	OJ000307_16.0330.C3
Gene No.	99688	Strand	+
Start	6213	End	9127
Name	OJ000307_16.0330.C3.o4.np	Method	AAT/NAP
Start	7221	End	9127
GI	7340909	Score	204
Exons	7221..7276, 8564..8757, 8810..9127		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46908	Seq. ID	OJ000307_16.0330.C3
Gene No.	99689	Strand	-
Start	1	End	4836
Name	OJ000307_16.0330.C3.o1.np	Method	AAT/NAP
Start	1	End	2375
GI	6815052	Score	150
Exons	1..122, 2284..2375		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46908	Seq. ID	OJ000307_16.0330.C3
Gene No.	99689	Strand	-
Start	1	End	4836
Name	OJ000307_16.0330.C3.o2.np	Method	AAT/NAP
Start	2094	End	4836
GI	6539570	Score	176
Exons	2094..2241, 2876..3313, 3579..3601, 4386..4452, 4633..4836		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46908	Seq. ID	OJ000307_16.0330.C3
Gene No.	99690	Strand	-
Start	4963	End	9074
Name	OJ000307_16.0330.C3.o3.np	Method	AAT/NAP
Start	4963	End	9074
GI	6630699	Score	80
Exons	4963..5052, 6828..7044, 9032..9074		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99691	Strand	+
Start	4479	End	4740
Name	OJ000307_16.0330.C4.o3.gp	Method	AAT/GAP
Start	4479	End	4740
GI	none	Score	512
Exons	4479..4740		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4

Gene No.	99692	Strand	+
Start	9761	End	10298
Name	OJ000307_16.0330.C4.o4.gp	Method	AAT/GAP
Start	9761	End	10298
GI	none	Score	1022
Exons	9761..10298		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99693	Strand	+
Start	10591	End	11254
Name	OJ000307_16.0330.C4.o5.gp	Method	AAT/GAP
Start	10591	End	11254
GI	uC-osrocyp010b12b1	Score	831
Exons	10591..10775, 10967..11254		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99694	Strand	+
Start	13300	End	16295
Name	OJ000307_16.0330.C4.o2.np	Method	AAT/NAP
Start	13300	End	16286
GI	7430950	Score	1128
Exons	13300..13400, 14765..14878, 15316..15983, 16087..16286		
GI Descrip.	cinnamyl-alcohol dehydrogenase (EC 1.1.1.195) ELI3 - common ice plant gi|1724110|gb|AAB38503.1| (U79770) cinnamyl-alcohol dehydrogenase Eli3 [Mesembryanthemum crystallinum]		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99694	Strand	+
Start	13300	End	16295
Name	OJ000307_16.0330.C4.o3.gs	Method	GENSCAN
Start	15263	End	16295
GI	none	Score	.76
Exons	15263..15983, 16156..16295		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99695	Strand	-
Start	1	End	494
Name	OJ000307_16.0330.C4.o1.np	Method	AAT/NAP
Start	1	End	494
GI	7340909	Score	150
Exons	1..83, 240..494		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99696	Strand	-
Start	2838	End	4294
Name	OJ000307_16.0330.C4.o1.gp	Method	AAT/GAP
Start	2602	End	2876
GI	3760533	Score	480
Exons	2602..2876		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99696	Strand	-
Start	2838	End	4294
Name	OJ000307_16.0330.C4.o1.gs	Method	GENSCAN

Start	2838	End	4294
GI	none	Score	.96
Exons	2838..3041, 3123..3357, 3481..3551, 4121..4294		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99696	Strand	-
Start	2838	End	4294
Name	OJ000307_16.0330.C4.o2.gp	Method	AAT/GAP
Start	2966	End	4222
GI	none	Score	977
Exons	2966..3357, 3481..3551, 4121..4222		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99697	Strand	-
Start	5916	End	13391
Name	OJ000307_16.0330.C4.o2.tm	Method	TBLASTX:Maize
Start	2958	End	3558
GI	none	Score	41
Exons	2958..3050, 3110..3313, 3121..3234, 3123..3356, 3123..3374, 3124..3360, 3469..3558, 3481..3552		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99697	Strand	-
Start	5916	End	13391
Name	OJ000307_16.0330.C4.o2.gs	Method	GENSCAN
Start	5916	End	13391
GI	none	Score	.51
Exons	5916..6007, 6039..6167, 7687..7857, 8005..8089, 10613..10741, 12319..12390, 12619..12698, 13253..13391		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99698	Strand	
Start	14756	End	16303
Name	OJ000307_16.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	14756	End	16303
GI	none	Score	163
Exons	14756..14878, 14763..14879, 15316..15660, 15317..15979, 15575..15715, 15694..15987, 16085..16303, 16092..16280		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99698	Strand	
Start	14756	End	16303
Name	OJ000307_16.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	14756	End	16286
GI	none	Score	208
Exons	14756..14878, 14760..14879, 15317..15979, 15317..15388, 15319..15975, 15782..15982, 16080..16286, 16088..16279		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99698	Strand	
Start	14756	End	16303
Name	OJ000307_16.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	14762	End	16274
GI	none	Score	158
Exons	14762..14878, 14763..14879, 14794..14880, 15316..15660, 15317..15997, 15694..15981, 16080..16274, 16103..16261		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99698	Strand	
Start	14756	End	16303
Name	OJ000307_16.0330.C4.o2.tw	Method	TBLASTX:Wheat
Start	14784	End	15472
GI	none	Score	141
Exons	14784..14879, 14804..14878, 15316..15471, 15317..15472		

Seq. No.	46909	Seq. ID	OJ000307_16.0330.C4
Gene No.	99698	Strand	
Start	14756	End	16303
Name	OJ000307_16.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	15473	End	16286
GI	none	Score	696
Exons	15473..15982, 15481..15660, 15554..15715, 15694..15981, 16079..16276, 16080..16286		

Seq. No.	46910	Seq. ID	OJ000307_16.0330.C5
Gene No.	99699	Strand	
Start	828	End	1180
Name	OJ000307_16.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	828	End	1180
GI	none	Score	88
Exons	828..905, 912..944, 948..998, 994..1179, 998..1180		

Seq. No.	46910	Seq. ID	OJ000307_16.0330.C5
Gene No.	99699	Strand	
Start	828	End	1180
Name	OJ000307_16.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	855	End	1149
GI	none	Score	63
Exons	855..944, 856..933, 957..998, 964..1098, 997..1149, 1004..1144		

Seq. No.	46911	Seq. ID	OJ000307_16.0330.C12
Gene No.	99700	Strand	-
Start	366	End	1345
Name	OJ000307_16.0330.C12.o1.gs	Method	GENSCAN
Start	366	End	1036
GI	none	Score	.91
Exons	366..806, 839..1036		

Seq. No.	46911	Seq. ID	OJ000307_16.0330.C12
Gene No.	99700	Strand	-
Start	366	End	1345
Name	OJ000307_16.0330.C12.o1.np	Method	AAT/NAP
Start	456	End	1345
GI	4544372	Score	437
Exons	456..1345		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46912	Seq. ID	OJ000307_16.0330.C13
Gene No.	99701	Strand	-
Start	1	End	1450
Name	OJ000307_16.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	1450
GI	7489805	Score	805

Exons	1..270, 304..1450		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		
Seq. No.	46912	Seq. ID	OJ000307_16.0330.C13
Gene No.	99701	Strand	-
Start	1	End	1450
Name	OJ000307_16.0330.C13.o1.gs	Method	GENSCAN
Start	430	End	1140
GI	none	Score	.4
Exons	430..1140		
Seq. No.	46912	Seq. ID	OJ000307_16.0330.C13
Gene No.	99701	Strand	-
Start	1	End	1450
Name	OJ000307_16.0330.C13.o1.ts	Method	TBLASTX:Soybean
Start	517	End	1053
GI	none	Score	65
Exons	517..594, 574..1053, 590..721, 878..997		
Seq. No.	46912	Seq. ID	OJ000307_16.0330.C13
Gene No.	99701	Strand	-
Start	1	End	1450
Name	OJ000307_16.0330.C13.o1.tw	Method	TBLASTX:Wheat
Start	679	End	1095
GI	none	Score	94
Exons	679..1095, 680..826, 869..1048		
Seq. No.	46912	Seq. ID	OJ000307_16.0330.C13
Gene No.	99701	Strand	-
Start	1	End	1450
Name	OJ000307_16.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	772	End	1168
GI	none	Score	106
Exons	772..1158, 878..1168		
Seq. No.	46912	Seq. ID	OJ000307_16.0330.C13
Gene No.	99701	Strand	-
Start	1	End	1450
Name	OJ000307_16.0330.C13.o2.tw	Method	TBLASTX:Wheat
Start	1157	End	1450
GI	none	Score	49
Exons	1157..1210, 1158..1211, 1220..1441, 1257..1442, 1343..1450		
Seq. No.	46912	Seq. ID	OJ000307_16.0330.C13
Gene No.	99701	Strand	-
Start	1	End	1450
Name	OJ000307_16.0330.C13.o2.tm	Method	TBLASTX:Maize
Start	1190	End	1450
GI	none	Score	53
Exons	1190..1450, 1191..1241		
Seq. No.	46913	Seq. ID	OJ000307_16.0330.C14
Gene No.	99702	Strand	-
Start	98	End	1426
Name	OJ000307_16.0330.C14.o1.gs	Method	GENSCAN
Start	98	End	791

GI	none	Score	.5
Exons	98..605, 732..791		

Seq. No.	46913	Seq. ID	OJ000307_16.0330.C14
Gene No.	99702	Strand	-
Start	98	End	1426
Name	OJ000307_16.0330.C14.o1.np	Method	AAT/NAP
Start	330	End	1426
GI	7248394	Score	86
Exons	330..545, 1394..1426		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46914	Seq. ID	OJ000307_16.0330.C15
Gene No.	99703	Strand	+
Start	1285	End	4525
Name	OJ000307_16.0330.C15.o1.gs	Method	GENSCAN
Start	1285	End	4525
GI	none	Score	.84
Exons	1285..1520, 1613..1658, 2837..2869, 4014..4068, 4314..4525		

Seq. No.	46914	Seq. ID	OJ000307_16.0330.C15
Gene No.	99703	Strand	+
Start	1285	End	4525
Name	OJ000307_16.0330.C15.o1.tm	Method	TBLASTX:Maize
Start	1408	End	4506
GI	none	Score	98
Exons	1408..1500, 1604..1663, 1605..1658, 4013..4066, 4014..4067, 4015..4068, 4143..4229, 4143..4229, 4153..4233, 4153..4242, 4294..4338, 4295..4369, 4313..4378, 4314..4388, 4408..4488, 4408..4506, 4409..4495		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o1.gs	Method	GENSCAN
Start	250	End	7441
GI	none	Score	.66
Exons	250..364, 599..713, 1062..1142, 1221..2364, 3520..5366, 5603..5870, 5910..6110, 6129..6176, 6475..6939, 7258..7441		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o3.ts	Method	TBLASTX:Soybean
Start	3377	End	3622
GI	none	Score	47
Exons	3377..3622, 3381..3416, 3492..3578		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o4.ts	Method	TBLASTX:Soybean
Start	3965	End	4360

GI	none	Score	86
Exons	3965..4360, 4071..4259, 4082..4327		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o4.tw	Method	TBLASTX:Wheat
Start	4133	End	4525
GI	none	Score	119
Exons	4133..4186, 4214..4327, 4364..4525		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o3.tm	Method	TBLASTX:Maize
Start	4214	End	4567
GI	none	Score	225
Exons	4214..4567		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o1.np	Method	AAT/NAP
Start	4516	End	7852
GI	7248394	Score	3136
Exons	4516..4896, 5332..6399, 6670..6951, 6995..7510, 7724..7852		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o2.tw	Method	TBLASTX:Wheat
Start	5018	End	5451
GI	none	Score	70
Exons	5018..5308, 5103..5309, 5362..5451		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o1.ts	Method	TBLASTX:Soybean
Start	5081	End	5497
GI	none	Score	76
Exons	5081..5311, 5085..5198, 5353..5496, 5359..5496, 5363..5497		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o2.ts	Method	TBLASTX:Soybean
Start	5648	End	6117
GI	none	Score	71
Exons	5648..5794, 5650..5835, 5839..6117, 5879..6082		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17

Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o3.tw	Method	TBLASTX:Wheat
Start	5734	End	6114
GI	none	Score	62
Exons	5734..5835, 5812..6114, 5971..6060		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o1.tm	Method	TBLASTX:Maize
Start	5803	End	6264
GI	none	Score	316
Exons	5803..6264, 5804..6139, 6200..6262		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o1.tw	Method	TBLASTX:Wheat
Start	6133	End	6538
GI	none	Score	220
Exons	6133..6381, 6200..6382, 6386..6538, 6393..6521		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o2.tm	Method	TBLASTX:Maize
Start	6265	End	6478
GI	none	Score	108
Exons	6265..6378, 6266..6379, 6266..6382, 6386..6478, 6393..6476		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o5.ts	Method	TBLASTX:Soybean
Start	6386	End	6700
GI	none	Score	150
Exons	6386..6466, 6482..6700		

Seq. No.	46915	Seq. ID	OJ000307_16.0330.C17
Gene No.	99704	Strand	-
Start	250	End	7886
Name	OJ000307_16.0330.C17.o4.tm	Method	TBLASTX:Maize
Start	7718	End	7886
GI	none	Score	118
Exons	7718..7882, 7722..7865, 7729..7884, 7731..7886		

Seq. No.	46916	Seq. ID	OJ000307_16.0330.C20
Gene No.	99705	Strand	+
Start	477	End	863
Name	OJ000307_16.0330.C20.o1.gs	Method	GENSCAN
Start	477	End	863
GI	none	Score	.64
Exons	477..863		

Seq. No.	46916	Seq. ID	OJ000307_16.0330.C20
Gene No.	99706	Strand	-

Start	1	End	6223
Name	OJ000307_16.0330.C20.o1.np	Method	AAT/NAP
Start	1	End	1897
GI	7248394	Score	212
Exons	1..73, 1748..1897		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46916	Seq. ID	OJ000307_16.0330.C20
Gene No.	99706	Strand	-
Start	1	End	6223
Name	OJ000307_16.0330.C20.o2.np	Method	AAT/NAP
Start	1088	End	1897
GI	7248394	Score	207
Exons	1088..1133, 1748..1897		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46916	Seq. ID	OJ000307_16.0330.C20
Gene No.	99706	Strand	-
Start	1	End	6223
Name	OJ000307_16.0330.C20.o2.gs	Method	GENSCAN
Start	1768	End	6223
GI	none	Score	.69
Exons	1768..1818, 1883..1988, 1997..2282, 2336..5026, 5511..5667, 5851..6069, 6107..6223		

Seq. No.	46916	Seq. ID	OJ000307_16.0330.C20
Gene No.	99706	Strand	-
Start	1	End	6223
Name	OJ000307_16.0330.C20.o1.tm	Method	TBLASTX:Maize
Start	2862	End	3239
GI	none	Score	88
Exons	2862..3035, 3024..3089, 3114..3239, 3115..3222		

Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99707	Strand	+
Start	1	End	1139
Name	OJ000307_16.0330.C23.o1.np	Method	AAT/NAP
Start	1	End	1139
GI	4335731	Score	749
Exons	1..1139		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99708	Strand	-
Start	1958	End	5968
Name	OJ000307_16.0330.C23.o2.np	Method	AAT/NAP
Start	1958	End	5968
GI	6862956	Score	430

Exons	1958..2747, 5937..5968		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99708	Strand	-
Start	1958	End	5968
Name	OJ000307_16.0330.C23.o1.gp	Method	AAT/GAP
Start	5567	End	5753
GI	4107129	Score	297
Exons	5567..5753		
GI Descrip.	1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		
Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o1.ts	Method	TBLASTX:Soybean
Start	257	End	688
GI	none	Score	174
Exons	257..427, 268..426, 420..542, 551..688	424..543, 546..680, 549..665,	
Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o2.tm	Method	TBLASTX:Maize
Start	487	End	1097
GI	none	Score	85
Exons	487..546, 546..665, 686..916, 934..987, 1044..1097	691..747, 793..870, 914..985,	
Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o3.tw	Method	TBLASTX:Wheat
Start	676	End	985
GI	none	Score	162
Exons	676..870, 677..895, 911..985		
Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o2.ts	Method	TBLASTX:Soybean
Start	700	End	1009
GI	none	Score	254
Exons	700..840, 701..904, 884..985,	884..1009	
Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o1.tm	Method	TBLASTX:Maize
Start	2066	End	2422
GI	none	Score	160
Exons	2066..2305, 2066..2422, 2067..2375		
Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-

Start	7150	End	7264
Name	OJ000307_16.0330.C23.o1.tc	Method	TBLASTX:Cress
Start	2150	End	2380
GI	none	Score	65
Exons	2150..2380, 2247..2375		

Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o1.tw	Method	TBLASTX:Wheat
Start	2261	End	2647
GI	none	Score	85
Exons	2261..2485, 2262..2354, 2489..2545, 2534..2647		

Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o2.tw	Method	TBLASTX:Wheat
Start	6659	End	7011
GI	none	Score	81
Exons	6659..6763, 6704..6763, 6790..6867, 6797..6865, 6856..6936, 6867..6938, 6868..6930, 6933..7010, 6939..7010, 6940..7011		

Seq. No.	46917	Seq. ID	OJ000307_16.0330.C23
Gene No.	99709	Strand	-
Start	7150	End	7264
Name	OJ000307_16.0330.C23.o3.np	Method	AAT/NAP
Start	7150	End	7264
GI	6630696	Score	144
Exons	7150..7264		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	46918	Seq. ID	OJ000307_16.0330.C24
Gene No.	99710	Strand	-
Start	1	End	1153
Name	OJ000307_16.0330.C24.o1.np	Method	AAT/NAP
Start	1	End	1153
GI	6630696	Score	1739
Exons	1..1153		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	46918	Seq. ID	OJ000307_16.0330.C24
Gene No.	99710	Strand	-
Start	1	End	1153
Name	OJ000307_16.0330.C24.o2.tw	Method	TBLASTX:Wheat
Start	46	End	574
GI	none	Score	60
Exons	46..222, 77..205, 278..574, 411..572		

Seq. No.	46918	Seq. ID	OJ000307_16.0330.C24
Gene No.	99710	Strand	-
Start	1	End	1153
Name	OJ000307_16.0330.C24.o1.tm	Method	TBLASTX:Maize

Start	246	End	583
GI	none	Score	63
Exons	246..338, 278..583, 280..432,	374..436,	459..575, 511..576

Seq. No.	46918	Seq. ID	OJ000307_16.0330.C24
Gene No.	99710	Strand	-
Start	1	End	1153
Name	OJ000307_16.0330.C24.o1.ts	Method	TBLASTX:Soybean
Start	271	End	724
GI	5509260	Score	77
Exons	271..450, 278..724, 468..620		
GI Descrip.	-		

Seq. No.	46918	Seq. ID	OJ000307_16.0330.C24
Gene No.	99710	Strand	-
Start	1	End	1153
Name	OJ000307_16.0330.C24.o1.tc	Method	TBLASTX:Cress
Start	371	End	631
GI	none	Score	232
Exons	371..631		

Seq. No.	46918	Seq. ID	OJ000307_16.0330.C24
Gene No.	99710	Strand	-
Start	1	End	1153
Name	OJ000307_16.0330.C24.o1.tw	Method	TBLASTX:Wheat
Start	644	End	1153
GI	none	Score	173
Exons	644..892, 648..827, 718..879,	895..1152,	896..1150, 929..1153

Seq. No.	46919	Seq. ID	OJ000307_16.0330.C25
Gene No.	99711	Strand	+
Start	69	End	151
Name	OJ000307_16.0330.C25.o1.gs	Method	GENSCAN
Start	69	End	151
GI	none	Score	.93
Exons	69..151		

Seq. No.	46919	Seq. ID	OJ000307_16.0330.C25
Gene No.	99712	Strand	+
Start	97	End	750
Name	OJ000307_16.0330.C25.o1.np	Method	AAT/NAP
Start	97	End	750
GI	6498436	Score	373
Exons	97..750		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	46920	Seq. ID	OJ000307_11.0330.C6
Gene No.	99713	Strand	
Start	544	End	905
Name	OJ000307_11.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	544	End	905
GI	none	Score	136
Exons	544..642, 557..661, 561..749, 833..859	760..807,	762..857, 780..905,

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99714	Strand	-

Start	2715	End	3046
Name	OJ000307_11.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	383	End	736
GI	none	Score	64
Exons	383..736, 389..649		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99714	Strand	-
Start	2715	End	3046
Name	OJ000307_11.0330.C7.o3.tm	Method	TBLASTX:Maize
Start	404	End	641
GI	none	Score	126
Exons	404..610, 404..610, 420..641, 429..614		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99714	Strand	-
Start	2715	End	3046
Name	OJ000307_11.0330.C7.o2.ts	Method	TBLASTX:Soybean
Start	464	End	895
GI	none	Score	106
Exons	464..703, 465..704, 731..895, 768..890		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99714	Strand	-
Start	2715	End	3046
Name	OJ000307_11.0330.C7.o2.tw	Method	TBLASTX:Wheat
Start	479	End	1063
GI	none	Score	48
Exons	479..607, 605..724, 618..722, 753..1007, 770..1063		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99714	Strand	-
Start	2715	End	3046
Name	OJ000307_11.0330.C7.o1.gp	Method	AAT/GAP
Start	2715	End	3046
GI	2798886	Score	419
Exons	2715..3046		
GI Descrip.	58067/emb|X52325|ARBLSKP 7.0e-38 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99714	Strand	-
Start	2715	End	3046
Name	OJ000307_11.0330.C7.o2.gp	Method	AAT/GAP
Start	2716	End	3036
GI	2798886	Score	415
Exons	2716..3036		
GI Descrip.	58067/emb|X52325|ARBLSKP 7.0e-38 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99715	Strand	
Start	8472	End	8804
Name	OJ000307_11.0330.C7.o4.tm	Method	TBLASTX:Maize
Start	8472	End	8804
GI	none	Score	196
Exons	8472..8678, 8498..8533, 8564..8797, 8742..8804		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99715	Strand	
Start	8472	End	8804
Name	OJ000307_11.0330.C7.o3.ts	Method	TBLASTX:Soybean
Start	8477	End	8660
GI	none	Score	186
Exons	8477..8599, 8478..8660		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99716	Strand	
Start	8737	End	9563
Name	OJ000307_11.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	8737	End	9176
GI	none	Score	56
Exons	8737..9048, 8742..9176, 8744..9058, 9089..9175		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99716	Strand	
Start	8737	End	9563
Name	OJ000307_11.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	8853	End	9098
GI	none	Score	282
Exons	8853..9098, 8858..9067		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99716	Strand	
Start	8737	End	9563
Name	OJ000307_11.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	8940	End	9536
GI	none	Score	483
Exons	8940..9536, 8942..9067, 9128..9526		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99716	Strand	
Start	8737	End	9563
Name	OJ000307_11.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	9106	End	9530
GI	none	Score	144
Exons	9106..9225, 9107..9241, 9108..9236, 9243..9530, 9245..9484		

Seq. No.	46921	Seq. ID	OJ000307_11.0330.C7
Gene No.	99716	Strand	
Start	8737	End	9563
Name	OJ000307_11.0330.C7.o2.tc	Method	TBLASTX:Cress
Start	9114	End	9563
GI	none	Score	63
Exons	9114..9203, 9213..9329, 9269..9328, 9368..9556, 9369..9563		

Seq. No.	46922	Seq. ID	OJ000307_11.0330.C8
Gene No.	99717	Strand	+
Start	10091	End	10746
Name	OJ000307_11.0330.C8.o1.gp	Method	AAT/GAP
Start	10091	End	10746
GI	4714863	Score	1301
Exons	10091..10746		
GI Descrip.	1321867/emb|X97771|HVPSII10K 5.0e-14 H.vulgare mRNA for PSII		

10kD protein

Seq. No.	46922	Seq. ID	OJ000307_11.0330.C8
Gene No.	99718	Strand	+
Start	10749	End	11519
Name	OJ000307_11.0330.C8.o2.gp	Method	AAT/GAP
Start	10749	End	11519
GI	4714864	Score	1226
Exons	10749..10987, 11112..11519		
GI Descrip.	3914470/sp|Q40070|PSBR_HORVU 3.0e-16 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99719	Strand	+
Start	3186	End	7269
Name	OJ000117_18.0323.C2.o3.gs	Method	GENSCAN
Start	3186	End	7269
GI	none	Score	.61
Exons	3186..3499, 3855..3997, 7169..7269		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99720	Strand	+
Start	8000	End	8089
Name	OJ000117_18.0323.C2.o3.gp	Method	AAT/GAP
Start	8000	End	8089
GI	5867_1.R1084	Score	129
Exons	8000..8089		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99721	Strand	-
Start	2126	End	2650
Name	OJ000117_18.0323.C2.o1.gp	Method	AAT/GAP
Start	1192	End	1607
GI	3759837	Score	731
Exons	1192..1607		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99721	Strand	-
Start	2126	End	2650
Name	OJ000117_18.0323.C2.o2.gs	Method	GENSCAN
Start	2126	End	2650
GI	none	Score	.97
Exons	2126..2650		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99721	Strand	-
Start	2126	End	2650
Name	OJ000117_18.0323.C2.o1.np	Method	AAT/NAP
Start	2129	End	2557

GI	7488772	Score	255
Exons	2129..2557		
GI Descrip.	pathogenesis-related protein 3 - kidney bean gi|169363|gb|AAA33773.1| (M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99722	Strand	-
Start	3065	End	3342
Name	OJ000117_18.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	2120	End	2339
GI	none	Score	117
Exons	2120..2317, 2124..2312, 2127..2339, 2156..2317		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99722	Strand	-
Start	3065	End	3342
Name	OJ000117_18.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	2124	End	2314
GI	none	Score	119
Exons	2124..2312, 2156..2314		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99722	Strand	-
Start	3065	End	3342
Name	OJ000117_18.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	2127	End	2321
GI	none	Score	121
Exons	2127..2321, 2156..2317		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99722	Strand	-
Start	3065	End	3342
Name	OJ000117_18.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	2133	End	2318
GI	none	Score	148
Exons	2133..2318, 2139..2279, 2156..2299		

Seq. No.	46923	Seq. ID	OJ000117_18.0323.C2
Gene No.	99722	Strand	-
Start	3065	End	3342
Name	OJ000117_18.0323.C2.o2.gp	Method	AAT/GAP
Start	3065	End	3342
GI	none	Score	556
Exons	3065..3342		

Seq. No.	46924	Seq. ID	OJ000117_18.0323.C3
Gene No.	99723	Strand	+
Start	900	End	2436
Name	OJ000117_18.0323.C3.o1.gs	Method	GENSCAN
Start	900	End	2436
GI	none	Score	.77
Exons	900..1047, 1068..1185, 1203..1371, 2368..2436		

Seq. No.	46925	Seq. ID	OJ000117_18.0323.C4
Gene No.	99724	Strand	+
Start	1006	End	14791
Name	OJ000117_18.0323.C4.o1.gs	Method	GENSCAN

Start	1006	End	14557
GI	none	Score	.53
Exons	1006..1008, 3779..3876, 3961..4203, 5702..5911, 7258..7371, 8630..8770, 8826..9013, 9257..9307, 9445..9494, 9613..9723, 10513..10688, 11478..11554, 11693..12766, 12838..13507, 13628..14276, 14297..14557		

Seq. No.	46925	Seq. ID	OJ000117_18.0323.C4
Gene No.	99724	Strand	+
Start	1006	End	14791
Name	OJ000117_18.0323.C4.o1.np	Method	AAT/NAP
Start	13124	End	14791
GI	5902444	Score	906
Exons	13124..14791		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46925	Seq. ID	OJ000117_18.0323.C4
Gene No.	99724	Strand	+
Start	1006	End	14791
Name	OJ000117_18.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	13269	End	13529
GI	none	Score	192
Exons	13269..13529		

Seq. No.	46925	Seq. ID	OJ000117_18.0323.C4
Gene No.	99724	Strand	+
Start	1006	End	14791
Name	OJ000117_18.0323.C4.o2.tw	Method	TBLASTX:Wheat
Start	13293	End	13691
GI	none	Score	222
Exons	13293..13691, 13316..13591		

Seq. No.	46925	Seq. ID	OJ000117_18.0323.C4
Gene No.	99724	Strand	+
Start	1006	End	14791
Name	OJ000117_18.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	14285	End	14728
GI	none	Score	130
Exons	14285..14455, 14320..14454, 14492..14728, 14494..14679, 14543..14707		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99725	Strand	+
Start	1	End	2680
Name	OJ000117_18.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	1392
GI	5902445	Score	1186
Exons	1..1392		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99725	Strand	+
Start	1	End	2680
Name	OJ000117_18.0323.C5.o1.gs	Method	GENSCAN
Start	113	End	2680
GI	none	Score	.6
Exons	113..306, 487..886, 898..1157, 1162..1312, 1467..1630,		

1967..2122, 2485..2680

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99726	Strand	+
Start	7337	End	23705
Name	OJ000117_18.0323.C5.o2.np	Method	AAT/NAP
Start	7337	End	13853
GI	7248395	Score	1500
Exons	7337..7366, 11077..11855, 12452..12981, 13145..13853		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99726	Strand	+
Start	7337	End	23705
Name	OJ000117_18.0323.C5.o1.gp	Method	AAT/GAP
Start	9411	End	9628
GI	8022_1.R1084	Score	288
Exons	9411..9628		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99726	Strand	+
Start	7337	End	23705
Name	OJ000117_18.0323.C5.o2.gp	Method	AAT/GAP
Start	9627	End	9934
GI	72524_1.R1084	Score	428
Exons	9627..9934		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99726	Strand	+
Start	7337	End	23705
Name	OJ000117_18.0323.C5.o4.gs	Method	GENSCAN
Start	11199	End	23705
GI	none	Score	.48
Exons	11199..11354, 11446..11606, 12485..12767, 12806..13171, 13208..13496, 14509..14620, 15855..15914, 17294..17348, 20768..20914, 21042..21145, 21186..21303, 22321..22525, 23556..23705		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99726	Strand	+
Start	7337	End	23705
Name	OJ000117_18.0323.C5.o4.np	Method	AAT/NAP
Start	12466	End	13853
GI	7248395	Score	936
Exons	12466..12981, 13145..13853		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99726	Strand	+
Start	7337	End	23705
Name	OJ000117_18.0323.C5.o3.gp	Method	AAT/GAP
Start	16015	End	16264
GI	3761181	Score	404

Exons	16015..16264		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99726	Strand	+
Start	7337	End	23705
Name	OJ000117_18.0323.C5.o5.np	Method	AAT/NAP
Start	16161	End	16347
GI	7106512	Score	77
Exons	16161..16221, 16295..16347		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99727	Strand	-
Start	3791	End	8179
Name	OJ000117_18.0323.C5.o2.gs	Method	GENSCAN
Start	3791	End	8179
GI	none	Score	.82
Exons	3791..4038, 4122..4322, 4557..5091, 5383..5577, 5646..5770, 5865..6023, 6486..6702, 7210..7247, 7294..7402, 7532..7597, 8177..8179		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99728	Strand	-
Start	9125	End	9663
Name	OJ000117_18.0323.C5.o3.gs	Method	GENSCAN
Start	9125	End	9663
GI	none	Score	.83
Exons	9125..9239, 9653..9663		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99729	Strand	-
Start	14029	End	14279
Name	OJ000117_18.0323.C5.o3.np	Method	AAT/NAP
Start	14029	End	14279
GI	7106513	Score	132
Exons	14029..14135, 14236..14279		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99730	Strand	-
Start	16695	End	18120
Name	OJ000117_18.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	269	End	574
GI	none	Score	316
Exons	269..574, 286..573		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99730	Strand	-
Start	16695	End	18120
Name	OJ000117_18.0323.C5.o2.tw	Method	TBLASTX:Wheat
Start	400	End	765
GI	none	Score	335
Exons	400..765, 401..763		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99730	Strand	-
Start	16695	End	18120
Name	OJ000117_18.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	767	End	1383
GI	none	Score	125
Exons	767..928, 808..879, 910..1227, 924..1031, 1252..1383, 1257..1382		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99730	Strand	-
Start	16695	End	18120
Name	OJ000117_18.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	997	End	1260
GI	none	Score	185
Exons	997..1260		

Seq. No.	46926	Seq. ID	OJ000117_18.0323.C5
Gene No.	99730	Strand	-
Start	16695	End	18120
Name	OJ000117_18.0323.C5.o6.np	Method	AAT/NAP
Start	16695	End	18120
GI	5852084	Score	81
Exons	16695..16835, 18094..18120		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46927	Seq. ID	OJ000117_18.0323.C6
Gene No.	99731	Strand	+
Start	2894	End	4580
Name	OJ000117_18.0323.C6.o1.gp	Method	AAT/GAP
Start	2894	End	3348
GI	55683_1.R1084	Score	868
Exons	2894..3348		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	46927	Seq. ID	OJ000117_18.0323.C6
Gene No.	99731	Strand	+
Start	2894	End	4580
Name	OJ000117_18.0323.C6.o1.gs	Method	GENSCAN
Start	2988	End	4577
GI	none	Score	.77
Exons	2988..3739, 3834..3920, 4020..4170, 4287..4577		

Seq. No.	46927	Seq. ID	OJ000117_18.0323.C6
Gene No.	99731	Strand	+
Start	2894	End	4580
Name	OJ000117_18.0323.C6.o1.np	Method	AAT/NAP
Start	3309	End	4580
GI	6728879	Score	319
Exons	3309..3419, 3639..3739, 3804..3920, 4020..4170, 4315..4580		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	46927	Seq. ID	OJ000117_18.0323.C6
Gene No.	99731	Strand	+
Start	2894	End	4580
Name	OJ000117_18.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	3359	End	4133

GI	none	Score	105
Exons	3359..3418, 3360..3419, 3636..3689, 3638..3691, 3666..3746, 3804..3920, 3831..3917, 3832..3918, 4012..4131, 4017..4133		

Seq. No.	46928	Seq. ID	OJ000117_18.0323.C7
Gene No.	99732	Strand	+
Start	328	End	1576
Name	OJ000117_18.0323.C7.o1.gs	Method	GENSCAN
Start	328	End	1576
GI	none	Score	.9
Exons	328..467, 546..657, 978..1122, 1483..1576		

Seq. No.	46928	Seq. ID	OJ000117_18.0323.C7
Gene No.	99733	Strand	-
Start	2956	End	3015
Name	OJ000117_18.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	543	End	741
GI	none	Score	91
Exons	543..737, 544..738, 561..737, 595..741		

Seq. No.	46928	Seq. ID	OJ000117_18.0323.C7
Gene No.	99733	Strand	-
Start	2956	End	3015
Name	OJ000117_18.0323.C7.o1.gp	Method	AAT/GAP
Start	2956	End	3015
GI	85912_1.R1084	Score	79
Exons	2956..3015		
GI Descrip.	'4324617/gb|AF106619|AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99734	Strand	+
Start	3313	End	4131
Name	OJ000117_18.0323.C12.o2.np	Method	AAT/NAP
Start	3313	End	4131
GI	5922623	Score	346
Exons	3313..3393, 3772..3919, 4087..4131		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	3236
GI	7228457	Score	4712
Exons	1..809, 873..2808, 2870..3236		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	93	End	288

GI	none	Score	111
Exons	93..287, 94..288		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o4.tw	Method	TBLASTX:Wheat
Start	99	End	338
GI	none	Score	126
Exons	99..338, 100..330		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	315	End	671
GI	none	Score	122
Exons	315..605, 315..671, 325..636		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	339	End	802
GI	none	Score	400
Exons	339..800, 340..801, 359..802		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	396	End	761
GI	none	Score	117
Exons	396..530, 537..761		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	969	End	1452
GI	none	Score	171
Exons	969..1451, 997..1257, 1279..1452		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	2190	End	2582
GI	none	Score	89
Exons	2190..2447, 2224..2463, 2430..2528, 2431..2511, 2535..2582		

Seq. No.	46929	Seq. ID	OJ000117_18.0323.C12
Gene No.	99735	Strand	-
Start	1	End	3236
Name	OJ000117_18.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	2292	End	2577
GI	none	Score	104

Exons	2292..2540, 2293..2577		
Seq. No.	46930	Seq. ID	OJ000117_18.0323.C13
Gene No.	99736	Strand	-
Start	2879	End	3272
Name	OJ000117_18.0323.C13.o1.np	Method	AAT/NAP
Start	2879	End	3272
GI	6063554	Score	105
Exons	2879..3049, 3154..3272		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46930	Seq. ID	OJ000117_18.0323.C13
Gene No.	99736	Strand	-
Start	2879	End	3272
Name	OJ000117_18.0323.C13.o1.gp	Method	AAT/GAP
Start	3118	End	3272
GI	2427387	Score	257
Exons	3118..3272		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99737	Strand	+
Start	608	End	2610
Name	OJ000117_18.0323.C14.o1.gs	Method	GENSCAN
Start	608	End	2610
GI	none	Score	.81
Exons	608..1083, 1088..1398, 1806..1828, 2074..2229, 2449..2610		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99738	Strand	+
Start	3073	End	47689
Name	OJ000117_18.0323.C14.o3.np	Method	AAT/NAP
Start	3073	End	47689
GI	7340868	Score	204
Exons	3073..3331, 12153..12196, 18951..19044, 22155..22252, 24679..24744, 26858..26943, 38988..39352, 47600..47689		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99738	Strand	+
Start	3073	End	47689
Name	OJ000117_18.0323.C14.o8.gs	Method	GENSCAN
Start	37826	End	46458
GI	none	Score	.53
Exons	37826..38026, 38260..38333, 38919..39195, 40940..41030, 41229..41432, 41748..42011, 43449..43643, 44017..44093, 44385..44460, 45282..45350, 45745..45832, 46128..46270, 46340..46458		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99738	Strand	+
Start	3073	End	47689
Name	OJ000117_18.0323.C14.o4.np	Method	AAT/NAP
Start	41899	End	43567

GI	1491712	Score	149
Exons	41899..42011, 43213..43288, 43449..43567		
GI Descrip.	(X99961) unknown [Homo sapiens]		

Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99739	Strand	-
Start	2842	End	3369
Name	OJ000117_18.0323.C14.o2.gs	Method	GENSCAN
Start	2842	End	3369
GI	none	Score	.76
Exons	2842..3369		

Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99740	Strand	-
Start	14445	End	18929
Name	OJ000117_18.0323.C14.o1.np	Method	AAT/NAP
Start	14445	End	18929
GI	3763933	Score	211
Exons	14445..14585, 16566..16723, 18485..18929		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99741	Strand	-
Start	21138	End	32016
Name	OJ000117_18.0323.C14.o6.gs	Method	GENSCAN
Start	21138	End	32016
GI	none	Score	.6
Exons	21138..21278, 21803..21911, 22649..22707, 22978..23070, 24113..24215, 24300..24394, 24468..24526, 24815..25026, 25460..25592, 26061..26272, 26822..27052, 27107..27254, 27750..27829, 28725..28847, 29686..29729, 30567..30636, 31739..32016		

Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99742	Strand	-
Start	33816	End	36351
Name	OJ000117_18.0323.C14.o7.gs	Method	GENSCAN
Start	33816	End	36351
GI	none	Score	.61
Exons	33816..34164, 36338..36351		

Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o4.tm	Method	TBLASTX:Maize
Start	16384	End	16918
GI	none	Score	77
Exons	16384..16485, 16386..16481, 16391..16555, 16561..16602, 16566..16595, 16575..16700, 16598..16738, 16599..16688, 16600..16728, 16840..16917, 16841..16918		

Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	21650	End	23104
GI	none	Score	101

Exons	21650..21727, 21651..21725, 21658..21726, 21658..21732, 21800..21916, 21801..21917, 21802..21951, 22648..22707, 22649..22708, 22653..22709, 22654..22710, 22975..23103, 22979..23104		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	23005	End	23516
GI	none	Score	95
Exons	23005..23091, 23006..23092, 23243..23305, 23244..23351, 23244..23351, 23245..23352, 23245..23352, 23440..23496, 23454..23516		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	23452	End	24218
GI	none	Score	117
Exons	23452..23520, 23454..23525, 23771..23833, 23771..23839, 23775..23840, 23905..24000, 23907..23999, 23909..24010, 24110..24217, 24113..24172, 24120..24218		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	26074	End	26329
GI	none	Score	141
Exons	26074..26328, 26075..26329		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	43225	End	43635
GI	none	Score	84
Exons	43225..43287, 43439..43630, 43441..43635		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o3.ts	Method	TBLASTX:Soybean
Start	45285	End	45833
GI	none	Score	110
Exons	45285..45377, 45288..45368, 45576..45674, 45584..45673, 45756..45833, 45767..45832		
Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o9.gs	Method	GENSCAN
Start	47557	End	49506
GI	none	Score	.46
Exons	47557..47689, 47861..48679, 48821..48846, 49156..49506		

Seq. No.	46931	Seq. ID	OJ000117_18.0323.C14
Gene No.	99743	Strand	-
Start	47557	End	49506
Name	OJ000117_18.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	47830	End	48106
GI	none	Score	152
Exons	47830..48099, 47854..48027, 47855..48106, 47855..48031, 48058..48081, 48070..48105		

Seq. No.	46932	Seq. ID	OJ000117_18.0323.C15
Gene No.	99744	Strand	
Start	1379	End	1929
Name	OJ000117_18.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	1379	End	1929
GI	none	Score	108
Exons	1379..1471, 1385..1462, 1644..1769, 1672..1770, 1680..1769, 1863..1928, 1864..1929		

Seq. No.	46932	Seq. ID	OJ000117_18.0323.C15
Gene No.	99745	Strand	
Start	2507	End	3019
Name	OJ000117_18.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	2507	End	2797
GI	none	Score	102
Exons	2507..2605, 2600..2797, 2601..2762		

Seq. No.	46932	Seq. ID	OJ000117_18.0323.C15
Gene No.	99745	Strand	
Start	2507	End	3019
Name	OJ000117_18.0323.C15.o1.tw	Method	TBLASTX:Wheat
Start	2684	End	3019
GI	none	Score	103
Exons	2684..3019, 2844..2999		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-
Start	1	End	1590
Name	OJ000117_18.0323.C16.o1.np	Method	AAT/NAP
Start	1	End	1590
GI	7486147	Score	679
Exons	1..1590		
GI Descrip.	hypothetical protein F25I24.40 - Arabidopsis thaliana gi|4539357|emb|CAB40051.1| (AL049525) putative protein [Arabidopsis thaliana] gi|7267781|emb|CAB81184.1| (AL161518) putative protein [Arabidopsis thaliana]		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-
Start	1	End	1590
Name	OJ000117_18.0323.C16.o2.tm	Method	TBLASTX:Maize
Start	4	End	285
GI	none	Score	66
Exons	4..96, 5..58, 82..285, 83..274		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-

Start	1	End	1590
Name	OJ000117_18.0323.C16.o3.tw	Method	TBLASTX:Wheat
Start	82	End	488
GI	none	Score	119
Exons	82..120, 115..324, 291..488		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-
Start	1	End	1590
Name	OJ000117_18.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	112	End	638
GI	none	Score	207
Exons	112..297, 318..638		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-
Start	1	End	1590
Name	OJ000117_18.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	291	End	1205
GI	none	Score	66
Exons	291..1205, 363..536, 583..615, 682..720, 763..1182		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-
Start	1	End	1590
Name	OJ000117_18.0323.C16.o2.tw	Method	TBLASTX:Wheat
Start	495	End	839
GI	none	Score	35
Exons	495..575, 567..719, 583..615, 724..837, 729..839		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-
Start	1	End	1590
Name	OJ000117_18.0323.C16.o1.tw	Method	TBLASTX:Wheat
Start	842	End	1139
GI	none	Score	193
Exons	842..1093, 843..1139, 880..1119		

Seq. No.	46933	Seq. ID	OJ000117_18.0323.C16
Gene No.	99746	Strand	-
Start	1	End	1590
Name	OJ000117_18.0323.C16.o3.tm	Method	TBLASTX:Maize
Start	1290	End	1481
GI	none	Score	90
Exons	1290..1481, 1308..1442, 1369..1464		

Seq. No.	46934	Seq. ID	OJ000207_18.0323.C7
Gene No.	99747	Strand	+
Start	1	End	1162
Name	OJ000207_18.0323.C7.o2.np	Method	AAT/NAP
Start	1	End	1162
GI	5852171	Score	501
Exons	1..64, 705..1162		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	46934	Seq. ID	OJ000207_18.0323.C7
Gene No.	99747	Strand	+

Start	1	End	1162
Name	OJ000207_18.0323.C7.o1.gs	Method	GENSCAN
Start	131	End	1091
GI	none	Score	.57
Exons	131..230, 285..395, 705..1091		

Seq. No.	46934	Seq. ID	OJ000207_18.0323.C7
Gene No.	99748	Strand	-
Start	16	End	173
Name	OJ000207_18.0323.C7.o1.np	Method	AAT/NAP
Start	16	End	173
GI	6907084	Score	150
Exons	16..173		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46935	Seq. ID	OJ000207_18.0323.C10
Gene No.	99749	Strand	-
Start	3980	End	8996
Name	OJ000207_18.0323.C10.o1.gs	Method	GENSCAN
Start	3980	End	8512
GI	none	Score	.8
Exons	3980..4415, 4518..4620, 5393..5519, 5855..5936, 6036..6157, 6532..6627, 7278..7499, 7664..7762, 8398..8512		

Seq. No.	46935	Seq. ID	OJ000207_18.0323.C10
Gene No.	99749	Strand	-
Start	3980	End	8996
Name	OJ000207_18.0323.C10.o1.np	Method	AAT/NAP
Start	8127	End	8996
GI	4417274	Score	141
Exons	8127..8312, 8398..8524, 8968..8996		
GI Descrip.	(AC007019) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46936	Seq. ID	OJ000207_18.0323.C13
Gene No.	99750	Strand	+
Start	2233	End	2728
Name	OJ000207_18.0323.C13.o1.gs	Method	GENSCAN
Start	2233	End	2728
GI	none	Score	.96
Exons	2233..2418, 2491..2571, 2630..2728		

Seq. No.	46937	Seq. ID	OJ000207_18.0323.C14
Gene No.	99751	Strand	-
Start	3251	End	5042
Name	OJ000207_18.0323.C14.o1.gp	Method	AAT/GAP
Start	2862	End	3277
GI	702296	Score	622
Exons	2862..3277		

Seq. No.	46937	Seq. ID	OJ000207_18.0323.C14
Gene No.	99751	Strand	-
Start	3251	End	5042
Name	OJ000207_18.0323.C14.o2.gs	Method	GENSCAN
Start	3251	End	5037
GI	none	Score	.94
Exons	3251..3532, 3827..4029, 4126..4217, 4364..4653, 4770..4857, 4976..5037		

Seq. No.	46937	Seq. ID	OJ000207_18.0323.C14
Gene No.	99751	Strand	-
Start	3251	End	5042
Name	OJ000207_18.0323.C14.o1.np	Method	AAT/NAP
Start	3254	End	5042
GI	5081555	Score	541
Exons	3254..3448, 3644..4026, 4126..4217, 4364..4408, 4508..4653, 4770..4857, 4976..5042		
GI Descrip.	(AF132001) PHAP2A protein [Petunia x hybrida]		

Seq. No.	46937	Seq. ID	OJ000207_18.0323.C14
Gene No.	99751	Strand	-
Start	3251	End	5042
Name	OJ000207_18.0323.C14.o2.gp	Method	AAT/GAP
Start	3371	End	4655
GI	25592_1.R1084	Score	1350
Exons	3371..3532, 3648..3731, 3827..4029, 4126..4217, 4364..4408, 4508..4655		
GI Descrip.	'5081555/gb|AAD39439.1|AF132001_1 4.0e-27 (AF132001) PHAP2A protein [Petunia x hybrida]'		

Seq. No.	46937	Seq. ID	OJ000207_18.0323.C14
Gene No.	99751	Strand	-
Start	3251	End	5042
Name	OJ000207_18.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	3953	End	5007
GI	none	Score	91
Exons	3953..4024, 4133..4219, 4137..4220, 4139..4219, 4363..4410, 4364..4408, 4364..4411, 4495..4656, 4502..4657, 4505..4657, 4764..4895, 4767..4859, 4776..4859, 4981..5007		

Seq. No.	46937	Seq. ID	OJ000207_18.0323.C14
Gene No.	99751	Strand	-
Start	3251	End	5042
Name	OJ000207_18.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	3962	End	5013
GI	none	Score	85
Exons	3962..4006, 4137..4220, 4139..4219, 4148..4219, 4363..4410, 4364..4408, 4495..4656, 4502..4657, 4764..4853, 4767..4859, 4776..4859, 4975..5013		

Seq. No.	46937	Seq. ID	OJ000207_18.0323.C14
Gene No.	99751	Strand	-
Start	3251	End	5042
Name	OJ000207_18.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	4124	End	4908
GI	none	Score	66
Exons	4124..4219, 4184..4219, 4354..4407, 4359..4406, 4363..4410, 4365..4409, 4495..4656, 4501..4656, 4502..4657, 4764..4871, 4767..4865, 4771..4908, 4771..4899		

Seq. No.	46938	Seq. ID	OJ000207_18.0323.C15
Gene No.	99752	Strand	-
Start	1	End	1460
Name	OJ000207_18.0323.C15.o1.np	Method	AAT/NAP
Start	1	End	664

GI	7489716	Score	143
Exons	1..26, 231..331, 361..664		
GI Descrip.	APETALA2-like protein Glossy15 - maize gi|1732031|gb|AAC49567.1| (U41466) AP2 DNA-binding domain protein [Zea mays]		

Seq. No.	46938	Seq. ID	OJ000207_18.0323.C15
Gene No.	99752	Strand	-
Start	1	End	1460
Name	OJ000207_18.0323.C15.o1.gs	Method	GENSCAN
Start	243	End	1460
GI	none	Score	.81
Exons	243..710, 818..861, 1371..1460		

Seq. No.	46939	Seq. ID	OJ000207_18.0323.C17
Gene No.	99753	Strand	+
Start	2487	End	3347
Name	OJ000207_18.0323.C17.o1.np	Method	AAT/NAP
Start	2487	End	3347
GI	5922623	Score	242
Exons	2487..2571, 2949..3103, 3271..3347		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46939	Seq. ID	OJ000207_18.0323.C17
Gene No.	99754	Strand	-
Start	1592	End	2984
Name	OJ000207_18.0323.C17.o1.gs	Method	GENSCAN
Start	1592	End	2984
GI	none	Score	.71
Exons	1592..1664, 1696..1844, 2520..2691, 2851..2984		

Seq. No.	46940	Seq. ID	OJ000207_18.0323.C19
Gene No.	99755	Strand	+
Start	492	End	610
Name	OJ000207_18.0323.C19.o1.gs	Method	GENSCAN
Start	492	End	610
GI	none	Score	.87
Exons	492..610		

Seq. No.	46940	Seq. ID	OJ000207_18.0323.C19
Gene No.	99756	Strand	-
Start	1709	End	1812
Name	OJ000207_18.0323.C19.o2.gs	Method	GENSCAN
Start	1709	End	1812
GI	none	Score	.47
Exons	1709..1812		

Seq. No.	46941	Seq. ID	OJ000207_18.0323.C20
Gene No.	99757	Strand	+
Start	687	End	6686
Name	OJ000207_18.0323.C20.o1.gs	Method	GENSCAN
Start	687	End	6686
GI	none	Score	.47
Exons	687..750, 1270..1337, 1827..1997, 2048..2121, 2739..2907, 2926..3070, 3555..3664, 3904..3997, 5615..5733, 6153..6686		

Seq. No.	46941	Seq. ID	OJ000207_18.0323.C20
Gene No.	99758	Strand	+
Start	9431	End	11155
Name	OJ000207_18.0323.C20.o1.np	Method	AAT/NAP
Start	9431	End	11155
GI	6721512	Score	104
Exons	9431..9544, 9572..9705, 11066..11155		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46941	Seq. ID	OJ000207_18.0323.C20
Gene No.	99758	Strand	+
Start	9431	End	11155
Name	OJ000207_18.0323.C20.o2.np	Method	AAT/NAP
Start	10644	End	11155
GI	5922623	Score	89
Exons	10644..10724, 11102..11155		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46941	Seq. ID	OJ000207_18.0323.C20
Gene No.	99759	Strand	-
Start	9403	End	11141
Name	OJ000207_18.0323.C20.o2.gs	Method	GENSCAN
Start	9403	End	11141
GI	none	Score	.4
Exons	9403..9480, 10677..10862, 11085..11141		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99760	Strand	+
Start	823	End	4123
Name	OJ000207_18.0323.C21.o1.gs	Method	GENSCAN
Start	823	End	4123
GI	none	Score	.84
Exons	823..2084, 2180..3977, 4010..4123		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99760	Strand	+
Start	823	End	4123
Name	OJ000207_18.0323.C21.o1.np	Method	AAT/NAP
Start	823	End	4120
GI	5803259	Score	5019
Exons	823..2084, 2180..2411, 2454..4120		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99761	Strand	+
Start	10944	End	13986
Name	OJ000207_18.0323.C21.o3.np	Method	AAT/NAP
Start	10944	End	13300
GI	5922623	Score	201
Exons	10944..11024, 11403..11559, 11727..11802, 13088..13300		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21

Gene No.	99761	Strand	+
Start	10944	End	13986
Name	OJ000207_18.0323.C21.o1.gp	Method	AAT/GAP
Start	13142	End	13469
GI	702723	Score	620
Exons	13142..13469		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99761	Strand	+
Start	10944	End	13986
Name	OJ000207_18.0323.C21.o4.np	Method	AAT/NAP
Start	13366	End	13986
GI	7487249	Score	341
Exons	13366..13770, 13843..13986		
GI Descrip.	hypothetical protein T20D16.3 - Arabidopsis thaliana gi|2642430|gb|AAB87098.1| (AC002391) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99762	Strand	-
Start	4749	End	11472
Name	OJ000207_18.0323.C21.o2.gs	Method	GENSCAN
Start	4749	End	8375
GI	none	Score	.63
Exons	4749..7361, 7430..7610, 7633..8375		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99762	Strand	-
Start	4749	End	11472
Name	OJ000207_18.0323.C21.o2.np	Method	AAT/NAP
Start	4752	End	10866
GI	7228457	Score	9366
Exons	4752..6302, 6369..7534, 7620..8438, 8502..10433, 10495..10866		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99762	Strand	-
Start	4749	End	11472
Name	OJ000207_18.0323.C21.o3.gs	Method	GENSCAN
Start	8439	End	11472
GI	none	Score	.81
Exons	8439..9784, 9860..9914, 10057..10884, 10941..11045, 11386..11472		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o7.tw	Method	TBLASTX:Wheat
Start	4761	End	5340
GI	none	Score	81
Exons	4761..4886, 4765..4887, 5053..5223, 5079..5339, 5080..5223, 5260..5337, 5272..5340		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922

Name	OJ000207_18.0323.C21.o4.tw	Method	TBLASTX:Wheat
Start	5344	End	5745
GI	none	Score	171
Exons	5344..5643, 5364..5744, 5403..5648, 5689..5745		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o3.tm	Method	TBLASTX:Maize
Start	5559	End	5882
GI	none	Score	204
Exons	5559..5882, 5572..5853		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o8.tw	Method	TBLASTX:Wheat
Start	6075	End	6387
GI	none	Score	60
Exons	6075..6335, 6289..6387		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o4.ts	Method	TBLASTX:Soybean
Start	6135	End	6701
GI	5666795	Score	68
Exons	6135..6335, 6390..6527, 6603..6701		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o5.tw	Method	TBLASTX:Wheat
Start	6390	End	6824
GI	none	Score	88
Exons	6390..6539, 6391..6528, 6573..6824, 6583..6759, 6600..6824		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o2.ts	Method	TBLASTX:Soybean
Start	7448	End	7781
GI	none	Score	85
Exons	7448..7630, 7620..7781, 7621..7764		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o2.tw	Method	TBLASTX:Wheat
Start	7478	End	7860
GI	none	Score	82
Exons	7478..7633, 7485..7625, 7606..7860, 7626..7859		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922

Name	OJ000207_18.0323.C21.o5.tm	Method	TBLASTX:Maize
Start	7571	End	7917
GI	none	Score	210
Exons	7571..7636, 7606..7917, 7635..7916		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o2.tm	Method	TBLASTX:Maize
Start	7944	End	8300
GI	none	Score	121
Exons	7944..8249, 7944..8300, 7954..8265		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o1.tw	Method	TBLASTX:Wheat
Start	7968	End	8431
GI	none	Score	223
Exons	7968..8429, 7974..8429, 7975..8430, 7988..8431		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o5.ts	Method	TBLASTX:Soybean
Start	8025	End	8390
GI	none	Score	117
Exons	8025..8159, 8166..8390		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o3.tw	Method	TBLASTX:Wheat
Start	8622	End	9081
GI	none	Score	75
Exons	8622..8816, 8622..9080, 8626..8886, 8944..9081		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o6.tw	Method	TBLASTX:Wheat
Start	9820	End	10212
GI	none	Score	94
Exons	9820..10077, 9854..10093, 10060..10158, 10061..10153, 10165..10212		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o7.tm	Method	TBLASTX:Maize
Start	9922	End	10207
GI	none	Score	91
Exons	9922..10170, 9923..10207		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922

Name	OJ000207_18.0323.C21.o1.ts	Method	TBLASTX:Soybean
Start	13422	End	13949
GI	none	Score	290
Exons	13422..13532, 13447..13620, 13584..13616, 13686..13757, 13687..13782, 13911..13949		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o9.tw	Method	TBLASTX:Wheat
Start	13443	End	13617
GI	none	Score	179
Exons	13443..13616, 13447..13617		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o1.tc	Method	TBLASTX:Cress
Start	13446	End	13752
GI	none	Score	286
Exons	13446..13616, 13447..13620, 13683..13751, 13684..13752		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o6.tm	Method	TBLASTX:Maize
Start	13531	End	13987
GI	none	Score	153
Exons	13531..13626, 13578..13682, 13584..13631, 13683..13775, 13684..13776, 13744..13779, 13878..13943, 13878..13913, 13899..13976, 13901..13957, 13916..13987		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o2.gp	Method	AAT/GAP
Start	16614	End	19007
GI	43821_1.R1084	Score	1446
Exons	16614..16997, 17479..17622, 17696..17773, 18223..18273, 18876..19007		
GI Descrip.	'3413712 1.0e-47 (AC004747) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o4.tm	Method	TBLASTX:Maize
Start	16636	End	19145
GI	none	Score	63
Exons	16636..16662, 16662..16700, 16665..16700, 16784..17002, 16842..17000, 17477..17623, 17477..17623, 17478..17630, 17479..17628, 17694..17780, 17695..17781, 17696..17779, 18187..18276, 18223..18276, 18873..18998, 18876..19001, 18877..19002, 18880..19017, 18881..19027, 19089..19145, 19091..19141		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21

Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o5.np	Method	AAT/NAP
Start	16869	End	19922
GI	7486285	Score	387
Exons	16869..16997, 17479..17622, 17696..17794, 18223..18275, 18876..19922		
GI Descrip.	hypothetical protein F28A23.200 - Arabidopsis thaliana gi|2911058|emb|CAA17568.1| (AL021961) putative protein [Arabidopsis thaliana] gi|7270353|emb|CAB80121.1| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o3.ts	Method	TBLASTX:Soybean
Start	16881	End	19229
GI	none	Score	69
Exons	16881..17000, 16895..16999, 17479..17568, 17527..17628, 17531..17623, 17568..17630, 17683..17748, 17694..17762, 17696..17770, 17696..17800, 19137..19229		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o2.tc	Method	TBLASTX:Cress
Start	16950	End	17788
GI	none	Score	73
Exons	16950..17000, 17479..17505, 17527..17628, 17537..17623, 17696..17746, 17696..17788		

Seq. No.	46942	Seq. ID	OJ000207_18.0323.C21
Gene No.	99763	Strand	-
Start	16614	End	19922
Name	OJ000207_18.0323.C21.o1.tm	Method	TBLASTX:Maize
Start	19278	End	19922
GI	none	Score	112
Exons	19278..19445, 19297..19419, 19446..19712, 19446..19634, 19448..19687, 19703..19918, 19704..19919, 19713..19922, 19810..19920		

Seq. No.	46943	Seq. ID	OJ000207_18.0323.C23
Gene No.	99764	Strand	+
Start	7111	End	12670
Name	OJ000207_18.0323.C23.o3.gs	Method	GENSCAN
Start	7111	End	12670
GI	none	Score	.8
Exons	7111..7314, 7817..7930, 7959..8157, 8163..8338, 8947..8990, 9813..10498, 11255..11482, 11628..11725, 12322..12490, 12561..12670		

Seq. No.	46943	Seq. ID	OJ000207_18.0323.C23
Gene No.	99765	Strand	-
Start	1	End	4095
Name	OJ000207_18.0323.C23.o1.gp	Method	AAT/GAP
Start	1	End	1477
GI	2427855	Score	344

Exons	1..93, 1377..1477		
GI Descrip.	3413712 1.0e-47 (AC004747) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46943	Seq. ID	OJ000207_18.0323.C23
Gene No.	99765	Strand	-
Start	1	End	4095
Name	OJ000207_18.0323.C23.o1.np	Method	AAT/NAP
Start	1	End	4095
GI	7487419	Score	438
Exons	1..93, 1377..1474, 2329..2443, 2544..2652, 2735..2863, 3031..3136, 4019..4095		
GI Descrip.	hypothetical protein T24P15.7 - Arabidopsis thaliana gi|2673908|gb|AAB88642.1| (AC002561) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46943	Seq. ID	OJ000207_18.0323.C23
Gene No.	99765	Strand	-
Start	1	End	4095
Name	OJ000207_18.0323.C23.o1.gs	Method	GENSCAN
Start	1429	End	3293
GI	none	Score	.88
Exons	1429..1474, 2521..2652, 2735..2850, 2934..3026, 3144..3293		
Seq. No.	46944	Seq. ID	OJ000207_18.0323.C24
Gene No.	99766	Strand	+
Start	1	End	708
Name	OJ000207_18.0323.C24.o1.np	Method	AAT/NAP
Start	1	End	708
GI	4567209	Score	68
Exons	1..22, 561..708		
GI Descrip.	(AC007168) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46945	Seq. ID	OJ000207_18.0323.C27
Gene No.	99767	Strand	+
Start	1	End	900
Name	OJ000207_18.0323.C27.o1.np	Method	AAT/NAP
Start	1	End	900
GI	7486157	Score	192
Exons	1..900		
GI Descrip.	hypothetical protein F26B6.1 - Arabidopsis thaliana gi|3242728|gb|AAC23780.1| (AC003040) unknown protein [Arabidopsis thaliana]		
Seq. No.	46945	Seq. ID	OJ000207_18.0323.C27
Gene No.	99767	Strand	+
Start	1	End	900
Name	OJ000207_18.0323.C27.o1.tm	Method	TBLASTX:Maize
Start	4	End	408
GI	none	Score	309
Exons	4..273, 5..265, 264..404, 265..408, 265..408		
Seq. No.	46945	Seq. ID	OJ000207_18.0323.C27
Gene No.	99767	Strand	+
Start	1	End	900
Name	OJ000207_18.0323.C27.o1.ts	Method	TBLASTX:Soybean
Start	554	End	900

GI	none	Score	50
Exons	554..634, 706..900, 713..895, 730..900		

Seq. No.	46946	Seq. ID	OJ000207_18.0323.C29
Gene No.	99768	Strand	+
Start	268	End	398
Name	OJ000207_18.0323.C29.o1.gs	Method	GENSCAN
Start	268	End	398
GI	none	Score	.41
Exons	268..398		

Seq. No.	46947	Seq. ID	OJ000207_18.0323.C30
Gene No.	99769	Strand	-
Start	1	End	1593
Name	OJ000207_18.0323.C30.o1.np	Method	AAT/NAP
Start	1	End	1593
GI	5852171	Score	697
Exons	1..561, 837..964, 1256..1374, 1567..1593		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	46947	Seq. ID	OJ000207_18.0323.C30
Gene No.	99769	Strand	-
Start	1	End	1593
Name	OJ000207_18.0323.C30.o1.gs	Method	GENSCAN
Start	152	End	1591
GI	none	Score	.58
Exons	152..739, 838..964, 1113..1138, 1168..1386, 1567..1591		

Seq. No.	46948	Seq. ID	OJ000207_18.0323.C31
Gene No.	99770	Strand	+
Start	1478	End	1908
Name	OJ000207_18.0323.C31.o1.np	Method	AAT/NAP
Start	1478	End	1908
GI	7340909	Score	145
Exons	1478..1908		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46949	Seq. ID	OJ000207_18.0323.C32
Gene No.	99771	Strand	-
Start	1	End	3476
Name	OJ000207_18.0323.C32.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	7340909	Score	71
Exons	1..172, 1392..1468		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46949	Seq. ID	OJ000207_18.0323.C32
Gene No.	99771	Strand	-
Start	1	End	3476
Name	OJ000207_18.0323.C32.o2.np	Method	AAT/NAP
Start	753	End	3476
GI	7228438	Score	181
Exons	753..862, 2795..3015, 3114..3476		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	46949	Seq. ID	OJ000207_18.0323.C32
Gene No.	99771	Strand	-
Start	1	End	3476
Name	OJ000207_18.0323.C32.o1.gs	Method	GENSCAN
Start	1048	End	3420
GI	none	Score	.67
Exons	1048..1106, 1709..1876, 1974..2093, 2130..2210, 2276..2507, 2762..3029, 3122..3420		

Seq. No.	46950	Seq. ID	OJ000207_18.0323.C33
Gene No.	99772	Strand	-
Start	108	End	2934
Name	OJ000207_18.0323.C33.o2.tw	Method	TBLASTX:Wheat
Start	34	End	294
GI	none	Score	100
Exons	34..69, 103..231, 104..232, 230..286, 241..294		

Seq. No.	46950	Seq. ID	OJ000207_18.0323.C33
Gene No.	99772	Strand	-
Start	108	End	2934
Name	OJ000207_18.0323.C33.o1.gs	Method	GENSCAN
Start	108	End	2647
GI	none	Score	.63
Exons	108..376, 459..609, 1102..1215, 1333..2647		

Seq. No.	46950	Seq. ID	OJ000207_18.0323.C33
Gene No.	99772	Strand	-
Start	108	End	2934
Name	OJ000207_18.0323.C33.o1.np	Method	AAT/NAP
Start	1063	End	2934
GI	7228442	Score	1479
Exons	1063..2934		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46950	Seq. ID	OJ000207_18.0323.C33
Gene No.	99772	Strand	-
Start	108	End	2934
Name	OJ000207_18.0323.C33.o1.tw	Method	TBLASTX:Wheat
Start	1931	End	2318
GI	none	Score	71
Exons	1931..2128, 2008..2094, 2027..2116, 2073..2120, 2141..2317, 2168..2317, 2169..2318		

Seq. No.	46950	Seq. ID	OJ000207_18.0323.C33
Gene No.	99772	Strand	-
Start	108	End	2934
Name	OJ000207_18.0323.C33.o1.tm	Method	TBLASTX:Maize
Start	2027	End	2609
GI	none	Score	44
Exons	2027..2107, 2079..2105, 2147..2455, 2151..2456, 2456..2608, 2487..2609		

Seq. No.	46951	Seq. ID	OJ000207_18.0323.C34
Gene No.	99773	Strand	-
Start	3125	End	3735

Name	OJ000207_18.0323.C34.o1.gp	Method	AAT/GAP
Start	3125	End	3735
GI	2801240	Score	1105
Exons	3125..3735		
GI Descrip.	5852171/emb|CAB55409.1| 8.0e-48 (AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	46951	Seq. ID	OJ000207_18.0323.C34
Gene No.	99774	Strand	-
Start	3909	End	8533
Name	OJ000207_18.0323.C34.o1.tm	Method	TBLASTX:Maize
Start	3243	End	4550
GI	none	Score	48
Exons	3243..3599, 3345..3599, 3409..3504, 3489..3599, 3933..4193, 4074..4259, 4074..4256, 4440..4550		

Seq. No.	46951	Seq. ID	OJ000207_18.0323.C34
Gene No.	99774	Strand	-
Start	3909	End	8533
Name	OJ000207_18.0323.C34.o1.tc	Method	TBLASTX:Cress
Start	3288	End	5189
GI	none	Score	88
Exons	3288..3599, 3339..3599, 3339..3536, 3483..3608, 3771..3899, 3933..4016, 3933..4010, 4053..4259, 4074..4256, 4074..4256, 4077..4166, 4431..4550, 4440..4559, 4443..4646, 4725..4784, 4733..4765, 4974..5015, 5031..5165, 5034..5189		

Seq. No.	46951	Seq. ID	OJ000207_18.0323.C34
Gene No.	99774	Strand	-
Start	3909	End	8533
Name	OJ000207_18.0323.C34.o1.ts	Method	TBLASTX:Soybean
Start	3294	End	5177
GI	none	Score	105
Exons	3294..3599, 3298..3600, 3489..3608, 3768..3899, 4056..4259, 4149..4259, 4440..4562, 4440..4550, 4719..4781, 5046..5177		

Seq. No.	46951	Seq. ID	OJ000207_18.0323.C34
Gene No.	99774	Strand	-
Start	3909	End	8533
Name	OJ000207_18.0323.C34.o1.tw	Method	TBLASTX:Wheat
Start	3294	End	4562
GI	none	Score	82
Exons	3294..3617, 3346..3603, 4056..4256, 4149..4256, 4314..4412, 4431..4559, 4440..4562		

Seq. No.	46951	Seq. ID	OJ000207_18.0323.C34
Gene No.	99774	Strand	-
Start	3909	End	8533
Name	OJ000207_18.0323.C34.o1.np	Method	AAT/NAP
Start	3909	End	8533
GI	5852171	Score	2173
Exons	3909..4006, 4229..4669, 4979..5185, 5291..5437, 5540..5869, 7805..7955, 8495..8533		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	46952	Seq. ID	OJ000207_18.0323.C35
Gene No.	99775	Strand	+

Start	335	End	1733
Name	OJ000207_18.0323.C35.o1.gs	Method	GENSCAN
Start	335	End	1481
GI	none	Score	.49
Exons	335..931, 1322..1481		

Seq. No.	46952	Seq. ID	OJ000207_18.0323.C35
Gene No.	99775	Strand	+
Start	335	End	1733
Name	OJ000207_18.0323.C35.o1.np	Method	AAT/NAP
Start	335	End	1733
GI	6016874	Score	953
Exons	335..413, 497..634, 699..931, 1322..1481, 1710..1733		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	46952	Seq. ID	OJ000207_18.0323.C35
Gene No.	99775	Strand	+
Start	335	End	1733
Name	OJ000207_18.0323.C35.o1.tm	Method	TBLASTX:Maize
Start	683	End	1129
GI	none	Score	69
Exons	683..769, 754..963, 755..1003, 1040..1096, 1091..1129		

Seq. No.	46952	Seq. ID	OJ000207_18.0323.C35
Gene No.	99775	Strand	+
Start	335	End	1733
Name	OJ000207_18.0323.C35.o1.gp	Method	AAT/GAP
Start	1024	End	1532
GI	uC-osflcyp110c07b1	Score	966
Exons	1024..1532		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	46952	Seq. ID	OJ000207_18.0323.C35
Gene No.	99775	Strand	+
Start	335	End	1733
Name	OJ000207_18.0323.C35.o2.tm	Method	TBLASTX:Maize
Start	1223	End	1537
GI	none	Score	65
Exons	1223..1297, 1310..1537, 1318..1536		

Seq. No.	46953	Seq. ID	OJ000207_18.0323.C36
Gene No.	99776	Strand	+
Start	1	End	2665
Name	OJ000207_18.0323.C36.o1.np	Method	AAT/NAP
Start	1	End	2665
GI	6016874	Score	1221
Exons	1..168, 286..625, 1101..1373, 2552..2665		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	46953	Seq. ID	OJ000207_18.0323.C36
Gene No.	99776	Strand	+

Start	1	End	2665
Name	OJ000207_18.0323.C36.o1.gs	Method	GENSCAN
Start	169	End	629
GI	none	Score	.88
Exons	169..629		

Seq. No.	46953	Seq. ID	OJ000207_18.0323.C36
Gene No.	99777	Strand	-
Start	1124	End	2665
Name	OJ000207_18.0323.C36.o1.tm	Method	TBLASTX:Maize
Start	320	End	563
GI	none	Score	276
Exons	320..478, 330..563		

Seq. No.	46953	Seq. ID	OJ000207_18.0323.C36
Gene No.	99777	Strand	-
Start	1124	End	2665
Name	OJ000207_18.0323.C36.o2.gs	Method	GENSCAN
Start	1124	End	1377
GI	none	Score	.63
Exons	1124..1266, 1272..1377		

Seq. No.	46953	Seq. ID	OJ000207_18.0323.C36
Gene No.	99777	Strand	-
Start	1124	End	2665
Name	OJ000207_18.0323.C36.o2.np	Method	AAT/NAP
Start	1201	End	2665
GI	5852171	Score	449
Exons	1201..1384, 1514..1579, 2287..2665		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	46954	Seq. ID	OJ000207_17.0323.C1
Gene No.	99778	Strand	+
Start	1167	End	8903
Name	OJ000207_17.0323.C1.o1.gs	Method	GENSCAN
Start	1167	End	8332
GI	none	Score	.42
Exons	1167..1212, 2273..2659, 3511..3656, 4078..4711, 6743..7239, 7784..7945, 8123..8332		

Seq. No.	46954	Seq. ID	OJ000207_17.0323.C1
Gene No.	99778	Strand	+
Start	1167	End	8903
Name	OJ000207_17.0323.C1.o1.gp	Method	AAT/GAP
Start	6943	End	8218
GI	none	Score	994
Exons	6943..7239, 7816..7945, 8123..8218		

Seq. No.	46954	Seq. ID	OJ000207_17.0323.C1
Gene No.	99778	Strand	+
Start	1167	End	8903
Name	OJ000207_17.0323.C1.o2.np	Method	AAT/NAP
Start	7868	End	8903
GI	7512181	Score	53
Exons	7868..7945, 8123..8245, 8809..8903		
GI Descrip.	Scythe protein - African clawed frog gi|3983139|gb|AAC83822.1| (AF098511) Scythe [Xenopus laevis]		

Seq. No.	46954	Seq. ID	OJ000207_17.0323.C1
Gene No.	99779	Strand	-
Start	3	End	4536
Name	OJ000207_17.0323.C1.o1.np	Method	AAT/NAP
Start	3	End	4536
GI	4263820	Score	883
Exons	3..276, 331..452, 1166..1286, 2950..3090, 3502..3679, 4149..4536		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46954	Seq. ID	OJ000207_17.0323.C1
Gene No.	99780	Strand	-
Start	8726	End	8875
Name	OJ000207_17.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	291	End	3578
GI	none	Score	163
Exons	291..452, 294..458, 317..454, 1154..1291, 1162..1287, 1167..1298, 2946..3092, 2947..3093, 3499..3576, 3501..3578, 3501..3575		

Seq. No.	46954	Seq. ID	OJ000207_17.0323.C1
Gene No.	99780	Strand	-
Start	8726	End	8875
Name	OJ000207_17.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	3612	End	4386
GI	none	Score	73
Exons	3612..3683, 4128..4250, 4136..4300, 4150..4314, 4264..4320, 4345..4386		

Seq. No.	46954	Seq. ID	OJ000207_17.0323.C1
Gene No.	99780	Strand	-
Start	8726	End	8875
Name	OJ000207_17.0323.C1.o2.gs	Method	GENSCAN
Start	8726	End	8875
GI	none	Score	.44
Exons	8726..8875		

Seq. No.	46955	Seq. ID	OJ000207_17.0323.C2
Gene No.	99781	Strand	+
Start	77	End	5169
Name	OJ000207_17.0323.C2.o1.gs	Method	GENSCAN
Start	77	End	5164
GI	none	Score	.94
Exons	77..79, 155..224, 302..450, 1410..1574, 1657..1728, 1812..1926, 2499..3062, 3160..3488, 3759..4361, 4613..4768, 5090..5164		

Seq. No.	46955	Seq. ID	OJ000207_17.0323.C2
Gene No.	99781	Strand	+
Start	77	End	5169
Name	OJ000207_17.0323.C2.o1.gp	Method	AAT/GAP
Start	1412	End	1596
GI	none	Score	301
Exons	1412..1596		

Seq. No.	46955	Seq. ID	OJ000207_17.0323.C2
Gene No.	99781	Strand	+
Start	77	End	5169

Name	OJ000207_17.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	1425	End	1864
GI	none	Score	170
Exons	1425..1556, 1433..1528, 1434..1565, 1450..1566, 1657..1737, 1659..1727, 1660..1728, 1800..1862, 1811..1864		

Seq. No.	46955	Seq. ID	OJ000207_17.0323.C2
Gene No.	99781	Strand	+
Start	77	End	5169
Name	OJ000207_17.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	2540	End	5169
GI	none	Score	52
Exons	2540..2602, 2555..2602, 2574..2603, 2610..2708, 2613..2744, 2621..2749, 2621..2743, 2753..2791, 2753..2791, 2791..2871, 2792..2872, 2873..3049, 2873..2956, 3154..3279, 3168..3278, 3184..3279, 3308..3478, 3309..3485, 3343..3480, 3756..3800, 3757..3804, 3789..3998, 3794..3937, 3957..4073, 3968..4078, 3969..4091, 4082..4174, 4110..4190, 4172..4321, 4176..4322, 4180..4323, 4180..4335, 4607..4768, 4610..4768, 4611..4769, 5061..5165, 5069..5164, 5089..5169		

Seq. No.	46955	Seq. ID	OJ000207_17.0323.C2
Gene No.	99781	Strand	+
Start	77	End	5169
Name	OJ000207_17.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	4607	End	5164
GI	none	Score	193
Exons	4607..4768, 4611..4769, 5084..5164		

Seq. No.	46956	Seq. ID	OJ000207_17.0323.C3
Gene No.	99782	Strand	+
Start	46	End	863
Name	OJ000207_17.0323.C3.o1.gs	Method	GENSCAN
Start	46	End	863
GI	none	Score	.93
Exons	46..101, 430..863		

Seq. No.	46957	Seq. ID	OJ000207_17.0323.C4
Gene No.	99783	Strand	+
Start	1	End	1718
Name	OJ000207_17.0323.C4.o1.np	Method	AAT/NAP
Start	1	End	1718
GI	6069646	Score	659
Exons	1..472, 748..1718		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46957	Seq. ID	OJ000207_17.0323.C4
Gene No.	99783	Strand	+
Start	1	End	1718
Name	OJ000207_17.0323.C4.o1.gs	Method	GENSCAN
Start	140	End	1704
GI	none	Score	.58
Exons	140..566, 677..1704		

Seq. No.	46957	Seq. ID	OJ000207_17.0323.C4
Gene No.	99784	Strand	-
Start	8890	End	9120
Name	OJ000207_17.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	7	End	678
GI	none	Score	170
Exons	7..162, 8..202, 20..217, 236..466, 248..571, 250..576, 571..678		

Seq. No.	46957	Seq. ID	OJ000207_17.0323.C4
Gene No.	99784	Strand	-
Start	8890	End	9120
Name	OJ000207_17.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	332	End	765
GI	none	Score	188
Exons	332..580, 334..516, 637..684, 688..765		

Seq. No.	46957	Seq. ID	OJ000207_17.0323.C4
Gene No.	99784	Strand	-
Start	8890	End	9120
Name	OJ000207_17.0323.C4.o2.tm	Method	TBLASTX:Maize
Start	742	End	1011
GI	none	Score	186
Exons	742..921, 934..1011		

Seq. No.	46957	Seq. ID	OJ000207_17.0323.C4
Gene No.	99784	Strand	-
Start	8890	End	9120
Name	OJ000207_17.0323.C4.o3.tm	Method	TBLASTX:Maize
Start	1123	End	1674
GI	none	Score	91
Exons	1123..1233, 1243..1440, 1441..1674		

Seq. No.	46957	Seq. ID	OJ000207_17.0323.C4
Gene No.	99784	Strand	-
Start	8890	End	9120
Name	OJ000207_17.0323.C4.o3.gs	Method	GENSCAN
Start	8890	End	9120
GI	none	Score	.56
Exons	8890..9120		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99785	Strand	+
Start	4762	End	8675
Name	OJ000207_17.0323.C6.o2.gs	Method	GENSCAN
Start	4762	End	8675
GI	none	Score	.81
Exons	4762..8230, 8320..8675		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99785	Strand	+
Start	4762	End	8675
Name	OJ000207_17.0323.C6.o1.np	Method	AAT/NAP
Start	4780	End	8672
GI	7485734	Score	3065
Exons	4780..7380, 7417..8230, 8320..8672		
GI Descrip.	hypothetical protein F18F4.240 - Arabidopsis thaliana		

gi|2982431|emb|CAA18239.1| (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana] gi|7268809|emb|CAB79014.1| (AL161552) leucine rich repeat-like protein [Arabidopsis thaliana]

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99785	Strand	+
Start	4762	End	8675
Name	OJ000207_17.0323.C6.o1.gp	Method	AAT/GAP
Start	6919	End	7258
GI	702363	Score	642
Exons	6919..7258		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99785	Strand	+
Start	4762	End	8675
Name	OJ000207_17.0323.C6.o2.gp	Method	AAT/GAP
Start	8139	End	8599
GI	5038818	Score	918
Exons	8139..8599		
GI Descrip.	2982431/emb|CAA18239.1| 2.0e-31 (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99786	Strand	+
Start	8613	End	8904
Name	OJ000207_17.0323.C6.o3.gp	Method	AAT/GAP
Start	8613	End	8904
GI	5056151	Score	460
Exons	8613..8904		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99787	Strand	-
Start	1063	End	2050
Name	OJ000207_17.0323.C6.o1.gs	Method	GENSCAN
Start	1063	End	2050
GI	none	Score	.45
Exons	1063..1158, 1913..2050		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	4942	End	8627
GI	none	Score	78
Exons	4942..5049, 5161..5193, 5239..5571, 5239..5472, 5239..5334, 5239..5493, 5247..5552, 5248..5766, 5248..5775, 5248..5778, 5248..5778, 5248..5553, 5248..5490, 5278..5481, 5290..5778, 5325..5624, 5362..5781, 5379..5642, 5422..5778, 5542..5715, 5542..5769, 5578..5778, 5809..5934, 5809..6243, 5812..5934, 5815..5934, 5896..6294, 5898..5936, 5992..6387, 5992..6642, 5992..6501, 5995..6294, 6028..6501, 6036..6095, 6061..6525, 6066..6365, 6097..6501, 6100..6294, 6132..6233, 6132..6374, 6135..6440, 6244..6522, 6256..6501, 6261..6500, 6276..6437, 6355..7092, 6514..6942, 6532..7011, 6532..7089, 6532..6957, 6553..7092, 6634..7092, 6685..7092, 6892..7083, 6946..7011, 6975..7094, 7152..7292, 7153..7317, 7153..7299, 7153..7317,		

7153..7314, 7153..7317, 7153..7305, 7612..7734, 7614..7688,
7882..7935, 7978..8160, 7995..8150, 8337..8396, 8547..8627

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	5164	End	8456
GI	none	Score	177

Exons 5164..5496, 5247..5624, 5248..5769, 5248..5409, 5251..5553,
5254..5778, 5290..5697, 5326..5781, 5362..5769, 5386..5778,
5397..5642, 5404..5493, 5434..5778, 5548..5646, 5800..5934,
5812..5934, 5812..5934, 5815..5934, 5824..5937, 5887..5940,
5992..6366, 5992..6153, 5992..6294, 5992..6303, 5995..6294,
6031..6444, 6103..6507, 6114..6452, 6121..6501, 6135..6239,
6154..6495, 6217..6309, 6241..6543, 6279..6365, 6514..6750,
6523..6795, 6523..6939, 6532..7083, 6556..7092, 6556..7299,
6595..7011, 6646..6765, 6667..7083, 6748..7092, 6862..6981,
6886..7092, 6927..7010, 7153..7314, 7153..7293, 7620..7727,
7633..7734, 7761..7829, 7762..7854, 7881..7937, 7882..7935,
7975..8169, 7992..8168, 8182..8229, 8184..8252, 8318..8449,
8319..8456

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	5239	End	7317
GI	none	Score	82

Exons 5239..5391, 5244..5408, 5245..5421, 5248..5493, 5284..5460,
5325..5450, 5344..5616, 5346..5552, 5371..5625, 5383..5535,
5416..5748, 5416..5592, 5443..5694, 5473..5688, 5539..5676,
5551..5757, 5560..5769, 5809..5934, 5812..5925, 5841..6056,
5887..6057, 5896..5937, 5992..6255, 6054..6254, 6085..6393,
6087..6422, 6187..6306, 6217..6300, 6228..6704, 6229..6705,
6529..6786, 6529..6720, 6543..6785, 6568..6813, 6586..6858,
6613..6795, 6640..6807, 6658..6846, 6730..6918, 6763..6918,
6763..6813, 6772..7008, 6802..7086, 6988..7092, 7153..7281,
7165..7317

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o2.tw	Method	TBLASTX:Wheat
Start	5299	End	7317
GI	none	Score	143

Exons 5299..5610, 5371..5676, 5443..5754, 5542..5778, 5587..5766,
5812..5931, 5992..6279, 6040..6303, 6066..6356, 6112..6423,
6276..6428, 6436..6477, 6829..7092, 7153..7317, 7162..7287

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	7608	End	8252
GI	none	Score	91

Exons 7608..7727, 7642..7743, 7762..7854, 7881..7940, 7882..7935,

7990..8169, 7995..8165, 8182..8229, 8184..8252

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	7765	End	8151
GI	none	Score	75
Exons	7765..7839, 7888..7935, 7890..7937, 7990..8151, 7992..8150		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	8358	End	8669
GI	none	Score	472
Exons	8358..8669, 8360..8617, 8610..8660		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o5.gp	Method	AAT/GAP
Start	9164	End	12587
GI	22697_1.R1084	Score	1286
Exons	9164..9522, 11861..11998, 12395..12587		
GI Descrip.	'2982432/emb|CAA18240.1| 3.0e-26 (AL022224) putative protein [Arabidopsis thaliana]'		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o3.gs	Method	GENSCAN
Start	9506	End	12485
GI	none	Score	.88
Exons	9506..9522, 11861..11998, 12395..12485		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o2.np	Method	AAT/NAP
Start	11765	End	12485
GI	7485823	Score	309
Exons	11765..11998, 12395..12485		
GI Descrip.	hypothetical protein F1C12.70 - Arabidopsis thaliana gi|2982432|emb|CAA18240.1| (AL022224) putative protein [Arabidopsis thaliana] gi|7268810|emb|CAB79015.1| (AL161552) putative protein [Arabidopsis thaliana]		

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o3.np	Method	AAT/NAP
Start	12411	End	14250
GI	7484961	Score	127
Exons	12411..12636, 13971..14250		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi|4584539|emb|CAB40769.1| (AL049608) extensin-like protein		

[Arabidopsis thaliana] gi|7268037|emb|CAB78376.1| (AL161536) extensin-like protein [Arabidopsis thaliana]

Seq. No.	46958	Seq. ID	OJ000207_17.0323.C6
Gene No.	99788	Strand	-
Start	9164	End	14250
Name	OJ000207_17.0323.C6.o4.gs	Method	GENSCAN
Start	13496	End	14171
GI	none	Score	.86
Exons	13496..13569, 13904..14171		

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99789	Strand	+
Start	1	End	5535
Name	OJ000207_17.0323.C7.o1.np	Method	AAT/NAP
Start	1	End	303
GI	5295967	Score	210
Exons	1..303		
GI Descrip.	(AB026295) Similar to Lycopersicon esculentum pT53 mRNA for wound-repressed gene, partial cds.(X59883) [Oryza sativa]		

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99789	Strand	+
Start	1	End	5535
Name	OJ000207_17.0323.C7.o1.gs	Method	GENSCAN
Start	80	End	5535
GI	none	Score	.55
Exons	80..276, 1321..1472, 3668..3713, 3919..3953, 5195..5294, 5366..5535		

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99790	Strand	+
Start	5767	End	8018
Name	OJ000207_17.0323.C7.o2.np	Method	AAT/NAP
Start	5767	End	7296
GI	7340860	Score	87
Exons	5767..5884, 7270..7296		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99790	Strand	+
Start	5767	End	8018
Name	OJ000207_17.0323.C7.o3.np	Method	AAT/NAP
Start	6771	End	8018
GI	7340924	Score	76
Exons	6771..6836, 7862..8018		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99791	Strand	-
Start	1745	End	1886
Name	OJ000207_17.0323.C7.o1.gp	Method	AAT/GAP
Start	1745	End	1886
GI	35479_1.R1084	Score	220
Exons	1745..1886		
GI Descrip.	'2982431/emb|CAA18239.1| 2.0e-31 (AL022224) leucine rich		

repeat-like protein [Arabidopsis thaliana]'

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99792	Strand	-
Start	7304	End	9847
Name	OJ000207_17.0323.C7.o2.gs	Method	GENSCAN
Start	7304	End	9847
GI	none	Score	.52
Exons	7304..7555, 8706..8751, 9669..9847		

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99793	Strand	-
Start	10873	End	11553
Name	OJ000207_17.0323.C7.o3.gs	Method	GENSCAN
Start	10873	End	11553
GI	none	Score	.91
Exons	10873..11105, 11385..11553		

Seq. No.	46959	Seq. ID	OJ000207_17.0323.C7
Gene No.	99793	Strand	-
Start	10873	End	11553
Name	OJ000207_17.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	10948	End	11451
GI	none	Score	169
Exons	10948..11076, 11122..11451		

Seq. No.	46960	Seq. ID	OJ000207_17.0323.C8
Gene No.	99794	Strand	+
Start	10011	End	11003
Name	OJ000207_17.0323.C8.o1.np	Method	AAT/NAP
Start	10011	End	11003
GI	7438352	Score	463
Exons	10011..10149, 10240..10399, 10634..11003		
GI Descrip.	transcription factor MYB4 homolog T15B16.7 - Arabidopsis thaliana gi|3859598|gb|AAC72864.1| (AF104919) contains similarity to Myb DNA-binding domains (Pfam: PF00249, E=3.7e-27 N=3) [Arabidopsis thaliana] gi|5823333|gb|AAD53105.1|AF176000_1 (AF176000) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	46960	Seq. ID	OJ000207_17.0323.C8
Gene No.	99794	Strand	+
Start	10011	End	11003
Name	OJ000207_17.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	10019	End	10718
GI	none	Score	188
Exons	10019..10144, 10020..10148, 10250..10393, 10263..10400, 10632..10718, 10632..10718		

Seq. No.	46960	Seq. ID	OJ000207_17.0323.C8
Gene No.	99794	Strand	+
Start	10011	End	11003
Name	OJ000207_17.0323.C8.o1.tc	Method	TBLASTX:Cress
Start	10020	End	10724
GI	none	Score	204
Exons	10020..10148, 10028..10144, 10044..10145, 10268..10396, 10269..10400, 10631..10660, 10632..10670, 10658..10720, 10659..10724		

Seq. No.	46960	Seq. ID	OJ000207_17.0323.C8
Gene No.	99794	Strand	+
Start	10011	End	11003
Name	OJ000207_17.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	10026	End	10400
GI	none	Score	139
Exons	10026..10148, 10052..10144, 10059..10151, 10268..10396, 10269..10400		

Seq. No.	46960	Seq. ID	OJ000207_17.0323.C8
Gene No.	99794	Strand	+
Start	10011	End	11003
Name	OJ000207_17.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	10050	End	10400
GI	none	Score	150
Exons	10050..10148, 10052..10144, 10268..10378, 10269..10400		

Seq. No.	46960	Seq. ID	OJ000207_17.0323.C8
Gene No.	99794	Strand	+
Start	10011	End	11003
Name	OJ000207_17.0323.C8.o2.ts	Method	TBLASTX:Soybean
Start	10631	End	10757
GI	none	Score	183
Exons	10631..10756, 10632..10757		

Seq. No.	46961	Seq. ID	OJ000207_17.0323.C9
Gene No.	99795	Strand	-
Start	1208	End	1535
Name	OJ000207_17.0323.C9.o1.gs	Method	GENSCAN
Start	1208	End	1535
GI	none	Score	.91
Exons	1208..1295, 1453..1535		

Seq. No.	46962	Seq. ID	OJ000207_17.0323.C10
Gene No.	99796	Strand	-
Start	1	End	223
Name	OJ000207_17.0323.C10.o1.gp	Method	AAT/GAP
Start	1	End	223
GI	LIB3431-034-P1-K1-B1	Score	411
Exons	1..223		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	46962	Seq. ID	OJ000207_17.0323.C10
Gene No.	99797	Strand	-
Start	138	End	1317
Name	OJ000207_17.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	135	End	1317
GI	none	Score	96
Exons	135..224, 139..225, 144..224, 300..434, 301..435, 307..435, 1211..1315, 1212..1316, 1212..1316, 1213..1317		

Seq. No.	46962	Seq. ID	OJ000207_17.0323.C10
Gene No.	99797	Strand	-
Start	138	End	1317
Name	OJ000207_17.0323.C10.o1.gs	Method	GENSCAN

Start	138	End	1294
GI	none	Score	.89
Exons	138..222, 304..435, 1212..1294		

Seq. No.	46963	Seq. ID	OJ000207_17.0323.C11
Gene No.	99798	Strand	-
Start	1	End	2282
Name	OJ000207_17.0323.C11.o1.np	Method	AAT/NAP
Start	1	End	2282
GI	6325161	Score	173
Exons	1..120, 830..916, 1018..1072, 2163..2282		
GI Descrip.	peptide:N-glycanase; Png1p gi|2132186|pir||S61970 hypothetical protein YPL096w - yeast (Saccharomyces cerevisiae) gi|1151230|gb|AAB68203.1| (U43281) Lpg12p [Saccharomyces cerevisiae]		

Seq. No.	46963	Seq. ID	OJ000207_17.0323.C11
Gene No.	99798	Strand	-
Start	1	End	2282
Name	OJ000207_17.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	52	End	2269
GI	none	Score	61
Exons	52..120, 62..121, 827..919, 827..919, 831..935, 1015..1086, 1025..1063, 2162..2269		

Seq. No.	46963	Seq. ID	OJ000207_17.0323.C11
Gene No.	99798	Strand	-
Start	1	End	2282
Name	OJ000207_17.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	827	End	2282
GI	none	Score	100
Exons	827..925, 827..919, 831..947, 834..926, 1015..1086, 1016..1081, 2160..2279, 2162..2278, 2187..2282		

Seq. No.	46964	Seq. ID	OJ000207_17.0323.C12
Gene No.	99799	Strand	-
Start	131	End	4115
Name	OJ000207_17.0323.C12.o1.gs	Method	GENSCAN
Start	131	End	3764
GI	none	Score	.57
Exons	131..232, 1754..1924, 2377..2553, 2714..2839, 3453..3544, 3614..3764		

Seq. No.	46964	Seq. ID	OJ000207_17.0323.C12
Gene No.	99799	Strand	-
Start	131	End	4115
Name	OJ000207_17.0323.C12.o1.gp	Method	AAT/GAP
Start	171	End	3014
GI	none	Score	1028
Exons	171..232, 2377..2553, 2714..3014		

Seq. No.	46964	Seq. ID	OJ000207_17.0323.C12
Gene No.	99799	Strand	-
Start	131	End	4115
Name	OJ000207_17.0323.C12.o1.np	Method	AAT/NAP
Start	3553	End	4115
GI	7484815	Score	47

Exons	3553..3792, 4063..4115		
GI Descrip.	auxin response factor 7 homolog F6G3.110 - Arabidopsis thaliana gi|4938484|emb|CAB43843.1| (AL078464) transcription factor-like protein [Arabidopsis thaliana] gi|7269908|emb|CAB81001.1| (AL161576) transcription factor-like protein [Arabidopsis thaliana]		
Seq. No.	46965	Seq. ID	OJ000207_17.0323.C13
Gene No.	99800	Strand	+
Start	1291	End	2739
Name	OJ000207_17.0323.C13.o1.gs	Method	GENSCAN
Start	1291	End	2727
GI	none	Score	.62
Exons	1291..1535, 2216..2317, 2419..2727		
Seq. No.	46965	Seq. ID	OJ000207_17.0323.C13
Gene No.	99800	Strand	+
Start	1291	End	2739
Name	OJ000207_17.0323.C13.o1.np	Method	AAT/NAP
Start	1368	End	2739
GI	2660669	Score	184
Exons	1368..1535, 2216..2317, 2419..2602, 2682..2739		
GI Descrip.	(AC002342) human Mi-2 autoantigen-like protein [Arabidopsis thaliana]		
Seq. No.	46965	Seq. ID	OJ000207_17.0323.C13
Gene No.	99800	Strand	+
Start	1291	End	2739
Name	OJ000207_17.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	1439	End	2559
GI	none	Score	128
Exons	1439..1534, 1443..1535, 1447..1536, 2215..2316, 2216..2317, 2216..2317, 2407..2559, 2419..2496		
Seq. No.	46966	Seq. ID	OJ000207_17.0323.C14
Gene No.	99801	Strand	+
Start	939	End	3729
Name	OJ000207_17.0323.C14.o1.gs	Method	GENSCAN
Start	939	End	3687
GI	none	Score	.93
Exons	939..1010, 1188..2700, 2753..3687		
Seq. No.	46966	Seq. ID	OJ000207_17.0323.C14
Gene No.	99801	Strand	+
Start	939	End	3729
Name	OJ000207_17.0323.C14.o1.np	Method	AAT/NAP
Start	1748	End	3729
GI	2660669	Score	2546
Exons	1748..3729		
GI Descrip.	(AC002342) human Mi-2 autoantigen-like protein [Arabidopsis thaliana]		
Seq. No.	46966	Seq. ID	OJ000207_17.0323.C14
Gene No.	99801	Strand	+
Start	939	End	3729
Name	OJ000207_17.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	2163	End	3570

GI	none	Score	95
Exons	2163..2288, 2183..2266, 2502..2720, 2791..2976, 2959..3063, 2976..3062, 3064..3222, 3297..3458, 3322..3570		

Seq. No.	46966	Seq. ID	OJ000207_17.0323.C14
Gene No.	99801	Strand	+
Start	939	End	3729
Name	OJ000207_17.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	2614	End	3082
GI	none	Score	137
Exons	2614..2721, 2614..2718, 2645..2719, 2725..3081, 2737..3066, 2816..3082		

Seq. No.	46966	Seq. ID	OJ000207_17.0323.C14
Gene No.	99801	Strand	+
Start	939	End	3729
Name	OJ000207_17.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	3084	End	3465
GI	none	Score	466
Exons	3084..3377, 3085..3378, 3087..3383, 3366..3464, 3378..3464, 3379..3465		

Seq. No.	46966	Seq. ID	OJ000207_17.0323.C14
Gene No.	99801	Strand	+
Start	939	End	3729
Name	OJ000207_17.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	3100	End	3570
GI	none	Score	107
Exons	3100..3228, 3178..3219, 3322..3570, 3327..3458		

Seq. No.	46967	Seq. ID	OJ000207_17.0323.C15
Gene No.	99802	Strand	+
Start	646	End	775
Name	OJ000207_17.0323.C15.o1.gp	Method	AAT/GAP
Start	646	End	775
GI	uC-osflcyp144a06b1	Score	159
Exons	646..775		
GI Descrip.	'2660669 7.0e-23 (AC002342) human Mi-2 autoantigen-like protein [Arabidopsis thaliana]'		

Seq. No.	46967	Seq. ID	OJ000207_17.0323.C15
Gene No.	99802	Strand	+
Start	646	End	775
Name	OJ000207_17.0323.C15.o1.gs	Method	GENSCAN
Start	660	End	774
GI	none	Score	.97
Exons	660..774		

Seq. No.	46967	Seq. ID	OJ000207_17.0323.C15
Gene No.	99802	Strand	+
Start	646	End	775
Name	OJ000207_17.0323.C15.o1.np	Method	AAT/NAP
Start	660	End	760
GI	2660669	Score	68
Exons	660..760		
GI Descrip.	(AC002342) human Mi-2 autoantigen-like protein [Arabidopsis thaliana]		

Seq. No.	46968	Seq. ID	OJ000207_17.0323.C16
Gene No.	99803	Strand	-
Start	319	End	1095
Name	OJ000207_17.0323.C16.o1.gs	Method	GENSCAN
Start	319	End	1095
GI	none	Score	.63
Exons	319..488, 607..674, 1024..1095		

Seq. No.	46969	Seq. ID	OJ000207_17.0323.C18
Gene No.	99804	Strand	+
Start	56	End	58
Name	OJ000207_17.0323.C18.o1.gs	Method	GENSCAN
Start	56	End	58
GI	none	Score	.86
Exons	56..58		

Seq. No.	46970	Seq. ID	OJ000217_13.0320.C3
Gene No.	99805	Strand	+
Start	205	End	325
Name	OJ000217_13.0320.C3.o1.gs	Method	GENSCAN
Start	205	End	325
GI	none	Score	.56
Exons	205..325		

Seq. No.	46970	Seq. ID	OJ000217_13.0320.C3
Gene No.	99806	Strand	-
Start	1510	End	2531
Name	OJ000217_13.0320.C3.o2.tm	Method	TBLASTX:Maize
Start	1424	End	1741
GI	none	Score	42
Exons	1424..1504, 1425..1505, 1487..1570, 1495..1569, 1521..1592, 1663..1740, 1667..1741, 1682..1741		

Seq. No.	46970	Seq. ID	OJ000217_13.0320.C3
Gene No.	99806	Strand	-
Start	1510	End	2531
Name	OJ000217_13.0320.C3.o1.ts	Method	TBLASTX:Soybean
Start	1510	End	2469
GI	none	Score	79
Exons	1510..1569, 1511..1567, 1633..1740, 1652..1741, 1663..1740, 2013..2144, 2020..2145, 2035..2148, 2226..2297, 2233..2298, 2370..2468, 2374..2469, 2376..2468		

Seq. No.	46970	Seq. ID	OJ000217_13.0320.C3
Gene No.	99806	Strand	-
Start	1510	End	2531
Name	OJ000217_13.0320.C3.o2.gs	Method	GENSCAN
Start	1510	End	2467
GI	none	Score	.96
Exons	1510..1566, 1663..1738, 2026..2144, 2232..2294, 2376..2467		

Seq. No.	46970	Seq. ID	OJ000217_13.0320.C3
Gene No.	99806	Strand	-
Start	1510	End	2531
Name	OJ000217_13.0320.C3.o1.np	Method	AAT/NAP
Start	1516	End	2531

GI	7295482	Score	127
Exons	1516..1566, 1663..1734, 2034..2135, 2232..2294, 2376..2531		
GI Descrip.	(AE003567) CG4603 gene product [Drosophila melanogaster]		

Seq. No.	46970	Seq. ID	OJ000217_13.0320.C3
Gene No.	99806	Strand	-
Start	1510	End	2531
Name	OJ000217_13.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	2013	End	2469
GI	none	Score	101
Exons	2013..2150, 2022..2144, 2023..2145, 2226..2315, 2233..2316, 2239..2343, 2282..2344, 2346..2468, 2370..2468, 2374..2469, 2374..2469		

Seq. No.	46970	Seq. ID	OJ000217_13.0320.C3
Gene No.	99806	Strand	-
Start	1510	End	2531
Name	OJ000217_13.0320.C3.o1.tc	Method	TBLASTX:Cress
Start	2226	End	2478
GI	none	Score	50
Exons	2226..2297, 2238..2288, 2370..2468, 2376..2468, 2377..2478, 2380..2469		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o2.gs	Method	GENSCAN
Start	5046	End	6476
GI	none	Score	.98
Exons	5046..6476		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o3.tm	Method	TBLASTX:Maize
Start	5094	End	6080
GI	none	Score	257
Exons	5094..5822, 5116..5826, 5496..5831, 5835..6080, 5841..6053, 5851..5973		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o4.ts	Method	TBLASTX:Soybean
Start	5289	End	5936
GI	none	Score	142
Exons	5289..5633, 5316..5633, 5356..5640, 5841..5936		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o2.tc	Method	TBLASTX:Cress
Start	5304	End	6077
GI	none	Score	65
Exons	5304..5408, 5409..5531, 5448..5657, 5514..5765, 5526..5822, 5529..5816, 5841..6077, 5841..6053, 5901..6014		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o3.tw	Method	TBLASTX:Wheat
Start	5383	End	6002
GI	none	Score	152
Exons	5383..5670, 5385..5822, 5448..5564, 5838..6002		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o1.np	Method	AAT/NAP
Start	6116	End	11373
GI	4512618	Score	2137
Exons	6116..6220, 6702..8514, 8742..10162, 10335..10640, 10752..11373		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o3.gs	Method	GENSCAN
Start	6721	End	11770
GI	none	Score	.48
Exons	6721..7078, 7349..7565, 7719..8580, 8591..8650, 9191..9365, 9789..10792, 10859..11770		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o1.ts	Method	TBLASTX:Soybean
Start	6730	End	7395
GI	none	Score	144
Exons	6730..7395, 6872..7189		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o6.tw	Method	TBLASTX:Wheat
Start	6730	End	6934
GI	none	Score	114
Exons	6730..6933, 6731..6934		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o6.tm	Method	TBLASTX:Maize
Start	6757	End	7096
GI	none	Score	264
Exons	6757..6789, 6793..7092, 6797..7096, 6806..7096		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o1.tm	Method	TBLASTX:Maize
Start	7098	End	7560

GI	none	Score	110
Exons	7098..7208, 7100..7177, 7102..7560, 7103..7549		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o1.tw	Method	TBLASTX:Wheat
Start	7158	End	7591
GI	none	Score	77
Exons	7158..7406, 7159..7407, 7159..7419, 7172..7417, 7429..7590, 7430..7591		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o2.tm	Method	TBLASTX:Maize
Start	7567	End	7972
GI	none	Score	276
Exons	7567..7971, 7646..7972		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o2.tw	Method	TBLASTX:Wheat
Start	7592	End	8104
GI	none	Score	49
Exons	7592..7714, 7594..7767, 7759..8103, 7781..7945, 7991..8104		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o3.ts	Method	TBLASTX:Soybean
Start	7774	End	8268
GI	5509260	Score	83
Exons	7774..8268, 7775..7945		
GI Descrip.	-		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o3.tc	Method	TBLASTX:Cress
Start	7885	End	8160
GI	none	Score	105
Exons	7885..8160, 7976..8137		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o8.tm	Method	TBLASTX:Maize
Start	7972	End	8224
GI	none	Score	193
Exons	7972..8223, 8006..8224		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o4.tc	Method	TBLASTX:Cress

Start	8824	End	9286
GI	none	Score	203
Exons	8824..8964, 8933..9286		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o4.tw	Method	TBLASTX:Wheat
Start	8827	End	9196
GI	none	Score	63
Exons	8827..8964, 8840..8965, 8939..9196, 9003..9194		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o5.ts	Method	TBLASTX:Soybean
Start	8851	End	9316
GI	none	Score	79
Exons	8851..8949, 8939..9316, 9021..9161		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o5.tm	Method	TBLASTX:Maize
Start	8863	End	9326
GI	none	Score	64
Exons	8863..8964, 8864..8965, 8939..9244, 8994..9266, 9219..9326, 9221..9322		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o9.tm	Method	TBLASTX:Maize
Start	9425	End	9829
GI	none	Score	81
Exons	9425..9550, 9444..9551, 9557..9700, 9558..9626, 9758..9829		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o5.tw	Method	TBLASTX:Wheat
Start	9709	End	10013
GI	none	Score	35
Exons	9709..9726, 9709..9726, 9761..9916, 9764..10012, 9771..9926, 9969..10013		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o7.tm	Method	TBLASTX:Maize
Start	10739	End	11236
GI	none	Score	69
Exons	10739..11035, 10836..11015, 11078..11143, 11162..11236		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066

Name	OJ000217_13.0320.C4.o2.np	Method	AAT/NAP
Start	11342	End	12971
GI	4559367	Score	193
Exons	11342..11477, 12594..12971		
GI Descrip.	(AC006585) putative MADS-box protein [Arabidopsis thaliana]		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o4.gs	Method	GENSCAN
Start	12153	End	20066
GI	none	Score	.59
Exons	12153..13184, 13834..14217, 15358..15452, 15576..15685, 15785..15910, 16012..16099, 16409..16529, 16658..16730, 16837..16911, 17375..17433, 17603..17699, 18364..18536, 19974..20066		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o6.ts	Method	TBLASTX:Soybean
Start	12720	End	12954
GI	none	Score	151
Exons	12720..12935, 12727..12954		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o2.ts	Method	TBLASTX:Soybean
Start	15307	End	16733
GI	none	Score	170
Exons	15307..15453, 15308..15454, 15569..15682, 15577..15693, 15577..15693, 15784..15921, 15791..15922, 15999..16100, 15999..16100, 16006..16101, 16021..16110, 16403..16528, 16410..16529, 16411..16539, 16459..16539, 16658..16732, 16662..16733, 16674..16733		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o3.np	Method	AAT/NAP
Start	15307	End	18473
GI	2388580	Score	1242
Exons	15307..15452, 15576..15685, 15785..15910, 16012..16099, 16409..16529, 16658..16730, 16837..16900, 17066..17277, 17375..17436, 17600..17699, 18364..18473		
GI Descrip.	(AC000098) Similar to Sequence 10 from patent 5477002 (gb|1253956). [Arabidopsis thaliana]		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o1.tc	Method	TBLASTX:Cress
Start	15313	End	15874
GI	none	Score	92
Exons	15313..15465, 15356..15454, 15583..15693, 15584..15673, 15784..15873, 15788..15874, 15788..15874		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o4.tm	Method	TBLASTX:Maize
Start	15314	End	17273
GI	none	Score	104
Exons	15314..15454, 15334..15453, 15365..15454, 15569..15685, 15577..15687, 15636..15695, 15783..15896, 15784..15900, 15784..15903, 15788..15904, 15788..15919, 16012..16065, 16014..16085, 16407..16529, 17064..17273		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o5.tc	Method	TBLASTX:Cress
Start	15875	End	16535
GI	none	Score	49
Exons	15875..15922, 15877..15921, 15999..16064, 15999..16100, 16006..16101, 16397..16474, 16400..16528, 16410..16529, 16410..16535, 16459..16530		

Seq. No.	46971	Seq. ID	OJ000217_13.0320.C4
Gene No.	99807	Strand	-
Start	5046	End	20066
Name	OJ000217_13.0320.C4.o1.gp	Method	AAT/GAP
Start	16256	End	16894
GI	2310378	Score	706
Exons	16256..16293, 16409..16730, 16837..16894		
GI Descrip.	2388580 6.0e-15 (AC000098) Similar to Sequence 10 from patent 5477002 (gb_1253956). [Arabidopsis thaliana]		

Seq. No.	46972	Seq. ID	OJ000217_13.0320.C5
Gene No.	99808	Strand	+
Start	235	End	2236
Name	OJ000217_13.0320.C5.o1.gs	Method	GENSCAN
Start	235	End	2236
GI	none	Score	.77
Exons	235..547, 552..829, 1614..1766, 2174..2236		

Seq. No.	46972	Seq. ID	OJ000217_13.0320.C5
Gene No.	99809	Strand	-
Start	2359	End	2736
Name	OJ000217_13.0320.C5.o2.gs	Method	GENSCAN
Start	2359	End	2736
GI	none	Score	1
Exons	2359..2736		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99810	Strand	+
Start	5443	End	10349
Name	OJ000217_13.0320.C6.o1.np	Method	AAT/NAP
Start	5443	End	10349
GI	6539553	Score	5754
Exons	5443..5524, 6970..10349		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837)		

Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99811	Strand	+
Start	14324	End	17240
Name	OJ000217_13.0320.C6.o2.np	Method	AAT/NAP
Start	14324	End	17240
GI	7340868	Score	61
Exons	14324..14418, 14723..14764, 16118..16367, 17124..17240		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99812	Strand	+
Start	24246	End	32203
Name	OJ000217_13.0320.C6.o1.gp	Method	AAT/GAP
Start	24217	End	26334
GI	427230	Score	594
Exons	24217..24338, 24444..24571, 26256..26334		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99812	Strand	+
Start	24246	End	32203
Name	OJ000217_13.0320.C6.o4.gs	Method	GENSCAN
Start	24246	End	32203
GI	none	Score	.52
Exons	24246..24571, 29356..29409, 30517..30645, 31263..31431, 32111..32203		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99813	Strand	-
Start	13303	End	14405
Name	OJ000217_13.0320.C6.o2.gs	Method	GENSCAN
Start	13303	End	14405
GI	none	Score	.57
Exons	13303..13524, 13526..13659, 13841..14405		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99814	Strand	-
Start	15870	End	22545
Name	OJ000217_13.0320.C6.o3.np	Method	AAT/NAP
Start	15870	End	22545
GI	4522005	Score	826
Exons	15870..15927, 16461..16904, 16952..18000, 18634..19666, 20509..20767, 22483..22545		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99814	Strand	-
Start	15870	End	22545
Name	OJ000217_13.0320.C6.o4.np	Method	AAT/NAP
Start	17742	End	19663
GI	7486147	Score	788
Exons	17742..18051, 18619..19663		
GI Descrip.	hypothetical protein F25I24.40 - Arabidopsis thaliana gi|4539357|emb|CAB40051.1| (AL049525) putative protein		

[Arabidopsis thaliana] gi|7267781|emb|CAB81184.1| (AL161518) putative protein [Arabidopsis thaliana]

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99815	Strand	-
Start	28732	End	31423
Name	OJ000217_13.0320.C6.o2.gp	Method	AAT/GAP
Start	28732	End	31423
GI	5003909	Score	792
Exons	28732..28784, 28873..28952, 30550..30739, 31311..31423		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	7385	End	7707
GI	none	Score	268
Exons	7385..7639, 7392..7706, 7412..7705, 7546..7707		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o5.ts	Method	TBLASTX:Soybean
Start	7734	End	8120
GI	none	Score	92
Exons	7734..7889, 7872..8120		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o4.tm	Method	TBLASTX:Maize
Start	7908	End	8342
GI	none	Score	293
Exons	7908..8342, 8117..8317		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o5.tw	Method	TBLASTX:Wheat
Start	7986	End	8177
GI	none	Score	275
Exons	7986..8177, 7986..8177		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o3.ts	Method	TBLASTX:Soybean
Start	8130	End	8528
GI	none	Score	187
Exons	8130..8354, 8139..8309, 8355..8528		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o1.tw	Method	TBLASTX:Wheat
Start	8178	End	8933
GI	none	Score	937

Exons	8178..8933, 8187..8933		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o1.ts	Method	TBLASTX:Soybean
Start	8853	End	9317
GI	5509260	Score	379
Exons	8853..9317, 8954..9022, 9071..9172, 9245..9298		
GI Descrip.	-		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o1.tc	Method	TBLASTX:Cress
Start	8946	End	9206
GI	none	Score	285
Exons	8946..9206		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o2.tm	Method	TBLASTX:Maize
Start	8987	End	9452
GI	none	Score	357
Exons	8987..9349, 8988..9452		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o3.tw	Method	TBLASTX:Wheat
Start	8988	End	9533
GI	none	Score	321
Exons	8988..9332, 9135..9308, 9327..9533, 9401..9523		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o2.ts	Method	TBLASTX:Soybean
Start	9386	End	9731
GI	none	Score	311
Exons	9386..9586, 9387..9731		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o3.tm	Method	TBLASTX:Maize
Start	9542	End	9881
GI	none	Score	315
Exons	9542..9880, 9543..9881		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o2.tw	Method	TBLASTX:Wheat
Start	9737	End	10213
GI	none	Score	101

Exons	9737..9808, 9738..9812, 9826..10134, 9827..10213, 9828..10175, 9829..10212		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o4.ts	Method	TBLASTX:Soybean
Start	9744	End	10085
GI	none	Score	91
Exons	9744..9857, 9770..9850, 9876..10085, 9881..10006		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o6.tw	Method	TBLASTX:Wheat
Start	17049	End	17417
GI	none	Score	67
Exons	17049..17417, 17053..17211, 17269..17406		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o8.tw	Method	TBLASTX:Wheat
Start	17805	End	18044
GI	none	Score	150
Exons	17805..18044, 17806..18015		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o7.tw	Method	TBLASTX:Wheat
Start	18747	End	18978
GI	none	Score	92
Exons	18747..18977, 18762..18971, 18763..18978		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o5.tm	Method	TBLASTX:Maize
Start	18750	End	19528
GI	none	Score	50
Exons	18750..18860, 18942..19082, 19113..19214, 19141..19215, 19212..19370, 19243..19371, 19376..19528		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o6.ts	Method	TBLASTX:Soybean
Start	18816	End	19196
GI	none	Score	174
Exons	18816..18914, 18930..19196		
Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o4.tw	Method	TBLASTX:Wheat
Start	19149	End	19484

GI	none	Score	76
Exons	19149..19220, 19150..19212, 19223..19348, 19230..19271, 19266..19370, 19350..19484, 19355..19483		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o3.gp	Method	AAT/GAP
Start	33164	End	33640
GI	none	Score	663
Exons	33164..33483, 33560..33640		

Seq. No.	46973	Seq. ID	OJ000217_13.0320.C6
Gene No.	99816	Strand	-
Start	33339	End	33640
Name	OJ000217_13.0320.C6.o5.gs	Method	GENSCAN
Start	33339	End	33639
GI	none	Score	.9
Exons	33339..33483, 33560..33639		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99817	Strand	+
Start	1092	End	4135
Name	OJ000217_13.0320.C7.o1.gs	Method	GENSCAN
Start	1092	End	4135
GI	none	Score	.74
Exons	1092..1285, 1356..1520, 2279..2412, 2931..3024, 3460..3526, 4030..4135		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99817	Strand	+
Start	1092	End	4135
Name	OJ000217_13.0320.C7.o1.np	Method	AAT/NAP
Start	1626	End	2970
GI	6630699	Score	74
Exons	1626..1668, 2890..2970		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99817	Strand	+
Start	1092	End	4135
Name	OJ000217_13.0320.C7.o2.np	Method	AAT/NAP
Start	3105	End	3526
GI	6539570	Score	145
Exons	3105..3298, 3460..3526		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99818	Strand	+
Start	10385	End	11696
Name	OJ000217_13.0320.C7.o3.gs	Method	GENSCAN
Start	10385	End	11696
GI	none	Score	.69
Exons	10385..10450, 10769..10846, 10928..11083, 11175..11321, 11445..11696		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99819	Strand	-
Start	1153	End	1243
Name	OJ000217_13.0320.C7.o1.gp	Method	AAT/GAP
Start	1153	End	1243
GI	2799534	Score	130
Exons	1153..1243		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99820	Strand	-
Start	1282	End	1528
Name	OJ000217_13.0320.C7.o2.gp	Method	AAT/GAP
Start	1282	End	1528
GI	none	Score	386
Exons	1282..1528		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99821	Strand	-
Start	5262	End	5437
Name	OJ000217_13.0320.C7.o3.np	Method	AAT/NAP
Start	5262	End	5437
GI	7248394	Score	83
Exons	5262..5437		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99822	Strand	-
Start	5937	End	9200
Name	OJ000217_13.0320.C7.o2.gs	Method	GENSCAN
Start	5937	End	9125
GI	none	Score	.88
Exons	5937..6120, 6940..7061, 8262..8525, 8936..8962, 8991..9125		

Seq. No.	46974	Seq. ID	OJ000217_13.0320.C7
Gene No.	99822	Strand	-
Start	5937	End	9200
Name	OJ000217_13.0320.C7.o3.gp	Method	AAT/GAP
Start	8316	End	9200
GI	none	Score	876
Exons	8316..8525, 8936..9200		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99823	Strand	+
Start	439	End	893
Name	OJ000217_13.0320.C8.o1.gp	Method	AAT/GAP
Start	439	End	893
GI	36280_1.R1084	Score	822
Exons	439..893		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99824	Strand	+
Start	3864	End	7385
Name	OJ000217_13.0320.C8.o2.np	Method	AAT/NAP
Start	3864	End	7385
GI	6539581	Score	1361
Exons	3864..3966, 5457..7385		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99824	Strand	+
Start	3864	End	7385
Name	OJ000217_13.0320.C8.o2.gs	Method	GENSCAN
Start	4387	End	7240
GI	none	Score	.62
Exons	4387..4572, 4625..5015, 5868..6055, 6668..7240		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99825	Strand	-
Start	86	End	4912
Name	OJ000217_13.0320.C8.o1.gs	Method	GENSCAN
Start	86	End	4263
GI	none	Score	.66
Exons	86..572, 669..1279, 1343..1596, 1618..1845, 1869..2790, 2824..4263		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99825	Strand	-
Start	86	End	4912
Name	OJ000217_13.0320.C8.o1.np	Method	AAT/NAP
Start	89	End	4912
GI	5295971	Score	7563
Exons	89..4427, 4473..4912		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o3.ts	Method	TBLASTX:Soybean
Start	113	End	739
GI	none	Score	39
Exons	113..346, 246..332, 401..565, 420..566, 578..739		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o1.tc	Method	TBLASTX:Cress
Start	122	End	760
GI	none	Score	87
Exons	122..340, 156..332, 404..463, 473..760, 474..566, 588..698		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-

Start	7995	End	10008
Name	OJ000217_13.0320.C8.o4.tm	Method	TBLASTX:Maize
Start	123	End	488
GI	none	Score	269
Exons	123..347, 123..401, 125..403, 404..487, 417..488	178..411, 359..448, 403..435,	

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o5.tw	Method	TBLASTX:Wheat
Start	152	End	3492
GI	none	Score	69
Exons	152..355, 164..313, 404..544,	3427..3492	

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o6.tw	Method	TBLASTX:Wheat
Start	581	End	892
GI	none	Score	64
Exons	581..760, 785..892		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o3.tm	Method	TBLASTX:Maize
Start	675	End	1066
GI	none	Score	357
Exons	675..959, 677..949, 677..1066,	747..1064, 1007..1066	

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o1.tw	Method	TBLASTX:Wheat
Start	899	End	1448
GI	none	Score	76
Exons	899..1117, 1103..1447, 1107..1292,	1127..1294, 1320..1448	

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	1118	End	1615
GI	5509260	Score	123
Exons	1118..1615, 1137..1295, 1356..1478		
GI Descrip.	-		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o2.tc	Method	TBLASTX:Cress
Start	1229	End	1493
GI	none	Score	110
Exons	1229..1492, 1230..1493		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8

Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o5.tm	Method	TBLASTX:Maize
Start	1268	End	1576
GI	none	Score	202
Exons	1268..1576, 1269..1574		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o2.ts	Method	TBLASTX:Soybean
Start	2065	End	2544
GI	none	Score	168
Exons	2065..2211, 2236..2544, 2249..2539		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o2.tm	Method	TBLASTX:Maize
Start	2149	End	2575
GI	none	Score	532
Exons	2149..2571, 2150..2575		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o3.tw	Method	TBLASTX:Wheat
Start	2227	End	2778
GI	none	Score	295
Exons	2227..2307, 2314..2778		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o4.tc	Method	TBLASTX:Cress
Start	2233	End	2508
GI	none	Score	65
Exons	2233..2508, 2243..2389, 2447..2479		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o5.ts	Method	TBLASTX:Soybean
Start	2632	End	2913
GI	none	Score	62
Exons	2632..2913, 2647..2886, 2737..2808		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o2.tw	Method	TBLASTX:Wheat
Start	2851	End	3304
GI	none	Score	58
Exons	2851..2943, 2851..2931, 2923..3300, 2938..3303, 3002..3304		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-

Start	7995	End	10008
Name	OJ000217_13.0320.C8.o8.tm	Method	TBLASTX:Maize
Start	2974	End	3214
GI	none	Score	245
Exons	2974..3213, 2975..3214		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	3229	End	3949
GI	none	Score	455
Exons	3229..3654, 3229..3594, 3330..3653, 3659..3691, 3679..3948, 3680..3949, 3681..3929, 3689..3931		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o7.tm	Method	TBLASTX:Maize
Start	4182	End	4490
GI	none	Score	45
Exons	4182..4214, 4183..4389, 4183..4389, 4184..4423, 4184..4429, 4272..4490		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o4.tw	Method	TBLASTX:Wheat
Start	5459	End	5815
GI	none	Score	46
Exons	5459..5521, 5525..5815, 5543..5815		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o3.tc	Method	TBLASTX:Cress
Start	5648	End	5962
GI	none	Score	219
Exons	5648..5962, 5650..5958		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o6.tm	Method	TBLASTX:Maize
Start	5648	End	6039
GI	none	Score	325
Exons	5648..6034, 5648..6034, 5704..6039		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o4.ts	Method	TBLASTX:Soybean
Start	5707	End	6293
GI	none	Score	308
Exons	5707..5991, 5708..6031, 6159..6293		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8

Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o3.gs	Method	GENSCAN
Start	7995	End	9963
GI	none	Score	.9
Exons	7995..8000, 8549..8620, 8738..8909, 9160..9272, 9787..9963		

Seq. No.	46975	Seq. ID	OJ000217_13.0320.C8
Gene No.	99826	Strand	-
Start	7995	End	10008
Name	OJ000217_13.0320.C8.o3.np	Method	AAT/NAP
Start	8309	End	10008
GI	6539580	Score	300
Exons	8309..8443, 8522..8605, 8738..8909, 9019..9149, 9877..10008		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99827	Strand	+
Start	3962	End	5596
Name	OJ000217_13.0320.C9.o2.gs	Method	GENSCAN
Start	3962	End	5596
GI	none	Score	.85
Exons	3962..3967, 4216..4378, 5039..5212, 5238..5596		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99828	Strand	+
Start	9618	End	15790
Name	OJ000217_13.0320.C9.o3.gs	Method	GENSCAN
Start	9618	End	15790
GI	none	Score	.73
Exons	9618..9677, 10876..11322, 11912..12086, 12249..12543, 12737..12809, 13637..13766, 13771..13904, 14402..14503, 14551..14715, 15655..15790		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99828	Strand	+
Start	9618	End	15790
Name	OJ000217_13.0320.C9.o3.np	Method	AAT/NAP
Start	10063	End	13787
GI	7413595	Score	485
Exons	10063..10088, 12254..12521, 12721..12809, 12916..13006, 13425..13528, 13652..13787		
GI Descrip.	(AL163002) putative protein [Arabidopsis thaliana]		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99828	Strand	+
Start	9618	End	15790
Name	OJ000217_13.0320.C9.o4.gp	Method	AAT/GAP
Start	13412	End	13848
GI	none	Score	837
Exons	13412..13848		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o1.gs	Method	GENSCAN
Start	463	End	3672

GI	none	Score	.72
Exons	463..537, 1437..1673, 2419..2596, 2879..3116, 3234..3444, 3544..3672		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o1.gp	Method	AAT/GAP
Start	874	End	1490
GI	none	Score	1175
Exons	874..1490		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o1.np	Method	AAT/NAP
Start	1317	End	3444
GI	5679843	Score	991
Exons	1317..1673, 2419..2569, 2879..3116, 3234..3444		
GI Descrip.	(AJ243961) Putitive Ser/Thr protein kinase [Oryza sativa]		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o4.tc	Method	TBLASTX:Cress
Start	1431	End	1598
GI	none	Score	129
Exons	1431..1598, 1441..1596		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o1.tm	Method	TBLASTX:Maize
Start	1461	End	3654
GI	none	Score	209
Exons	1461..1688, 1465..1686, 1466..1687, 2419..2568, 2420..2569, 2423..2569, 2424..2585, 2878..3108, 2882..3106, 2895..3122, 2895..3122, 2896..3123, 3235..3459, 3236..3460, 3237..3461, 3243..3473, 3521..3652, 3537..3653, 3539..3652, 3544..3654		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o1.ts	Method	TBLASTX:Soybean
Start	1483	End	3648
GI	none	Score	69
Exons	1483..1659, 1488..1658, 2422..2568, 2459..2560, 2790..3089, 2879..3160, 2881..3117, 3232..3459, 3250..3336, 3296..3460, 3544..3648, 3545..3631		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o2.np	Method	AAT/NAP
Start	1557	End	5704
GI	6573752	Score	388
Exons	1557..1658, 2392..2569, 2951..3093, 3156..3444, 3544..3630,		

	5682..5704		
GI Descrip.	(AC009398) F20B24.6 [Arabidopsis thaliana]		
Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o3.tc	Method	TBLASTX:Cress
Start	2422	End	3108
GI	none	Score	91
Exons	2422..2568, 2459..2572, 2878..3108, 2882..3088		
Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o1.tw	Method	TBLASTX:Wheat
Start	2961	End	3447
GI	none	Score	184
Exons	2961..3122, 2962..3123, 2962..3117, 2964..3122, 3232..3432, 3232..3447, 3233..3445		
Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o1.tc	Method	TBLASTX:Cress
Start	3241	End	3642
GI	none	Score	180
Exons	3241..3459, 3242..3463, 3544..3642, 3545..3622		
Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99829	Strand	-
Start	463	End	5704
Name	OJ000217_13.0320.C9.o2.gp	Method	AAT/GAP
Start	3416	End	5240
GI	none	Score	874
Exons	3416..3443, 3544..3659, 3768..3948, 5072..5240		
Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99830	Strand	
Start	10874	End	11211
Name	OJ000217_13.0320.C9.o3.tm	Method	TBLASTX:Maize
Start	10874	End	11211
GI	none	Score	107
Exons	10874..11146, 10876..10962, 10879..11184, 10914..11168, 11131..11211, 11154..11207		
Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99831	Strand	
Start	11921	End	12547
Name	OJ000217_13.0320.C9.o2.tm	Method	TBLASTX:Maize
Start	11921	End	12547
GI	none	Score	127
Exons	11921..12085, 11922..12101, 12251..12547, 12252..12446, 12287..12544, 12292..12546		
Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99831	Strand	
Start	11921	End	12547

Name	OJ000217_13.0320.C9.o2.tc	Method	TBLASTX:Cress
Start	12263	End	12481
GI	none	Score	80
Exons	12263..12463, 12267..12446, 12286..12465, 12287..12481		

Seq. No.	46976	Seq. ID	OJ000217_13.0320.C9
Gene No.	99831	Strand	
Start	11921	End	12547
Name	OJ000217_13.0320.C9.o2.ts	Method	TBLASTX:Soybean
Start	12264	End	12481
GI	none	Score	109
Exons	12264..12446, 12286..12477, 12287..12481		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o1.np	Method	AAT/NAP
Start	1	End	3749
GI	4102600	Score	1874
Exons	1..1220, 1356..1503, 1670..1745, 1944..2066, 2132..2296, 2410..2500, 2678..2762, 2880..3035, 3138..3194, 3291..3389, 3590..3749		
GI Descrip.	(AF013467) ARF6 [Arabidopsis thaliana]		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o1.tm	Method	TBLASTX:Maize
Start	45	End	1452
GI	none	Score	50
Exons	45..107, 52..108, 53..109, 106..423, 107..421, 123..422, 124..447, 430..513, 431..511, 436..516, 520..726, 521..706, 522..731, 738..758, 821..919, 823..912, 825..920, 828..920, 906..953, 917..961, 918..1007, 965..1048, 970..1047, 990..1055, 1045..1236, 1046..1222, 1057..1239, 1349..1450, 1354..1452, 1354..1449		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o1.tc	Method	TBLASTX:Cress
Start	52	End	3724
GI	none	Score	44
Exons	52..144, 53..133, 187..219, 229..327, 236..316, 317..349, 846..1007, 1045..1098, 1046..1093, 1093..1161, 1094..1162, 1345..1509, 1346..1504, 1399..1515, 1620..1745, 1652..1747, 1670..1753, 1940..2053, 1940..2068, 1941..2069, 2127..2249, 2131..2301, 2132..2296, 2404..2511, 2408..2533, 2409..2501, 2676..2762, 2677..2751, 2684..2770, 2878..3036, 2880..3035, 3129..3194, 3279..3389, 3280..3390, 3576..3689, 3587..3724		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o3.ts	Method	TBLASTX:Soybean
Start	52	End	441
GI	none	Score	62

Exons	52..225, 53..133, 229..321, 236..322, 340..441		
Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o1.gs	Method	GENSCAN
Start	55	End	7948
GI	none	Score	.78
Exons	55..1220, 1356..1503, 1670..1745, 1944..2066, 2132..2296, 2410..2500, 2678..2762, 2880..3035, 3138..3194, 3291..3389, 3590..3708, 4354..4447, 4564..4926, 4974..5144, 5942..6105, 7777..7948		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o1.gp	Method	AAT/GAP
Start	749	End	1122
GI	LIB3432-019-P1-K1-E10	Score	712
Exons	749..1122		
GI Descrip.	'2388580 6.0e-15 (AC000098) Similar to Sequence 10 from patent 5477002 (gb_1253956). [Arabidopsis thaliana]'		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o2.ts	Method	TBLASTX:Soybean
Start	1345	End	2251
GI	none	Score	177
Exons	1345..1509, 1346..1504, 1363..1509, 1652..1747, 1653..1751, 1668..1748, 1940..2056, 1940..2068, 1941..2069, 2131..2250, 2131..2250, 2132..2251		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o3.tm	Method	TBLASTX:Maize
Start	1453	End	2316
GI	none	Score	75
Exons	1453..1509, 1457..1504, 1652..1747, 1653..1745, 1670..1753, 1940..2068, 1941..2066, 2131..2214, 2131..2316, 2135..2305, 2236..2310		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o2.tm	Method	TBLASTX:Maize
Start	2436	End	3702
GI	none	Score	96
Exons	2436..2501, 2437..2514, 2673..2762, 2674..2763, 2676..2762, 2878..3033, 2879..3034, 2880..3035, 3096..3215, 3121..3189, 3129..3194, 3279..3389, 3280..3390, 3291..3398, 3293..3397, 3587..3700, 3588..3701, 3589..3702		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948

Name	OJ000217_13.0320.C10.o1.ts	Method	TBLASTX:Soybean
Start	2676	End	3374
GI	4306688	Score	102
Exons	2676..2762, 2677..2763, 2683..2769, 2684..2776, 2878..3033, 2879..3034, 2880..3035, 2917..3039, 3126..3194, 3273..3374, 3279..3374		
GI Descrip.	-		

Seq. No.	46977	Seq. ID	OJ000217_13.0320.C10
Gene No.	99832	Strand	-
Start	1	End	7948
Name	OJ000217_13.0320.C10.o4.ts	Method	TBLASTX:Soybean
Start	3587	End	3719
GI	none	Score	151
Exons	3587..3718, 3588..3719		

Seq. No.	46978	Seq. ID	OJ000207_12.0321.C3
Gene No.	99833	Strand	-
Start	82	End	126
Name	OJ000207_12.0321.C3.o1.gs	Method	GENSCAN
Start	82	End	126
GI	none	Score	.66
Exons	82..126		

Seq. No.	46978	Seq. ID	OJ000207_12.0321.C3
Gene No.	99834	Strand	-
Start	82	End	633
Name	OJ000207_12.0321.C3.o1.gp	Method	AAT/GAP
Start	82	End	633
GI	uC-osflM202039c11b1	Score	187
Exons	82..150, 242..306, 612..633		
GI Descrip.	'3152596 2.0e-20 (AC002986) YUP8H12R.36 [Arabidopsis thaliana]'		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99835	Strand	+
Start	7531	End	10946
Name	OJ000207_12.0321.C4.o2.np	Method	AAT/NAP
Start	7531	End	10946
GI	2501499	Score	316
Exons	7531..7578, 9223..9597, 10865..10946		
GI Descrip.	INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5'-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) gi|626043|pir||A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize gi|548195 (L34847) IAA-glu synthetase [Zea mays]		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99836	Strand	+
Start	11464	End	15180
Name	OJ000207_12.0321.C4.o3.np	Method	AAT/NAP
Start	11106	End	12531
GI	5852084	Score	74
Exons	11106..11136, 12436..12531		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4

Gene No.	99836	Strand	+
Start	11464	End	15180
Name	OJ000207_12.0321.C4.o3.gs	Method	GENSCAN
Start	11464	End	15180
GI	none	Score	.71
Exons	11464..11549, 11564..11675, 13912..14043, 14815..15180		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99837	Strand	-
Start	1	End	3534
Name	OJ000207_12.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	3528
GI	7452062	Score	451
Exons	1..115, 329..394, 1808..1948, 2272..2445, 2497..2639, 3366..3528		
GI Descrip.	hypothetical protein YUP8H12R.36 - Arabidopsis thaliana gi|3152596|gb|AAC17077.1| (AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99837	Strand	-
Start	1	End	3534
Name	OJ000207_12.0321.C4.o1.gs	Method	GENSCAN
Start	77	End	3534
GI	none	Score	.83
Exons	77..115, 329..394, 1808..1931, 2325..2427, 2508..2637, 3343..3534		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99838	Strand	-
Start	15851	End	18035
Name	OJ000207_12.0321.C4.o3.tm	Method	TBLASTX:Maize
Start	347	End	1938
GI	none	Score	78
Exons	347..403, 348..395, 1808..1933, 1809..1931, 1816..1938		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99838	Strand	-
Start	15851	End	18035
Name	OJ000207_12.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	2338	End	2640
GI	none	Score	109
Exons	2338..2430, 2339..2428, 2340..2432, 2341..2430, 2508..2585, 2509..2640, 2510..2638		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99838	Strand	-
Start	15851	End	18035
Name	OJ000207_12.0321.C4.o2.tm	Method	TBLASTX:Maize
Start	13152	End	13471
GI	none	Score	67
Exons	13152..13256, 13152..13298, 13153..13266, 13293..13418, 13326..13391, 13409..13471, 13410..13457		

Seq. No.	46979	Seq. ID	OJ000207_12.0321.C4
Gene No.	99838	Strand	-
Start	15851	End	18035
Name	OJ000207_12.0321.C4.o4.gs	Method	GENSCAN

Start	15851	End	18035
GI	none	Score	.72
Exons	15851..16032, 17901..18035		

Seq. No.	46980	Seq. ID	OJ000207_12.0321.C5
Gene No.	99839	Strand	-
Start	509	End	2378
Name	OJ000207_12.0321.C5.o1.gs	Method	GENSCAN
Start	509	End	2378
GI	none	Score	.54
Exons	509..544, 1182..1302, 2356..2378		

Seq. No.	46980	Seq. ID	OJ000207_12.0321.C5
Gene No.	99840	Strand	-
Start	4408	End	5875
Name	OJ000207_12.0321.C5.o2.gs	Method	GENSCAN
Start	4408	End	5875
GI	none	Score	.46
Exons	4408..4475, 4502..4633, 5830..5875		

Seq. No.	46981	Seq. ID	OJ000207_12.0321.C6
Gene No.	99841	Strand	+
Start	174	End	871
Name	OJ000207_12.0321.C6.o1.np	Method	AAT/NAP
Start	174	End	871
GI	6979320	Score	303
Exons	174..352, 429..871		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	46981	Seq. ID	OJ000207_12.0321.C6
Gene No.	99841	Strand	+
Start	174	End	871
Name	OJ000207_12.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	422	End	733
GI	none	Score	97
Exons	422..502, 424..504, 533..733		

Seq. No.	46981	Seq. ID	OJ000207_12.0321.C6
Gene No.	99841	Strand	+
Start	174	End	871
Name	OJ000207_12.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	461	End	711
GI	none	Score	181
Exons	461..706, 469..711		

Seq. No.	46982	Seq. ID	OJ000207_12.0321.C7
Gene No.	99842	Strand	+
Start	1	End	4034
Name	OJ000207_12.0321.C7.o1.np	Method	AAT/NAP
Start	1	End	2074
GI	7339719	Score	102
Exons	1..371, 620..651, 2053..2074		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46982	Seq. ID	OJ000207_12.0321.C7
Gene No.	99842	Strand	+
Start	1	End	4034

Name	OJ000207_12.0321.C7.o2.np	Method	AAT/NAP
Start	1	End	4034
GI	5001454	Score	118
Exons	1..37, 1646..1982, 3995..4034		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	46982	Seq. ID	OJ000207_12.0321.C7
Gene No.	99842	Strand	+
Start	1	End	4034
Name	OJ000207_12.0321.C7.o1.gs	Method	GENSCAN
Start	334	End	2812
GI	none	Score	.54
Exons	334..488, 1291..1366, 1739..1878, 2143..2406, 2555..2812		

Seq. No.	46982	Seq. ID	OJ000207_12.0321.C7
Gene No.	99843	Strand	-
Start	3199	End	3324
Name	OJ000207_12.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	1660	End	2025
GI	none	Score	124
Exons	1660..1863, 1879..2025, 1887..2024		

Seq. No.	46982	Seq. ID	OJ000207_12.0321.C7
Gene No.	99843	Strand	-
Start	3199	End	3324
Name	OJ000207_12.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	2346	End	2804
GI	none	Score	114
Exons	2346..2528, 2550..2804		

Seq. No.	46982	Seq. ID	OJ000207_12.0321.C7
Gene No.	99843	Strand	-
Start	3199	End	3324
Name	OJ000207_12.0321.C7.o2.gs	Method	GENSCAN
Start	3199	End	3324
GI	none	Score	.74
Exons	3199..3324		

Seq. No.	46983	Seq. ID	OJ000207_12.0321.C8
Gene No.	99844	Strand	+
Start	1211	End	1520
Name	OJ000207_12.0321.C8.o1.gs	Method	GENSCAN
Start	1211	End	1520
GI	none	Score	.87
Exons	1211..1270, 1447..1520		

Seq. No.	46984	Seq. ID	OJ000207_12.0321.C10
Gene No.	99845	Strand	
Start	12	End	574
Name	OJ000207_12.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	12	End	479
GI	none	Score	324
Exons	12..374, 15..380, 215..376, 386..478, 387..479		

Seq. No.	46984	Seq. ID	OJ000207_12.0321.C10
Gene No.	99845	Strand	

Start	12	End	574
Name	OJ000207_12.0321.C10.o1.tw	Method	TBLASTX:Wheat
Start	210	End	574
GI	none	Score	325
Exons	210..569, 210..455, 325..573, 329..574		

Seq. No.	46985	Seq. ID	OJ000207_12.0321.C11
Gene No.	99846	Strand	+
Start	213	End	281
Name	OJ000207_12.0321.C11.o1.gp	Method	AAT/GAP
Start	213	End	281
GI	2310474	Score	88
Exons	213..281		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	46985	Seq. ID	OJ000207_12.0321.C11
Gene No.	99847	Strand	-
Start	1343	End	4428
Name	OJ000207_12.0321.C11.o1.gs	Method	GENSCAN
Start	1343	End	4428
GI	none	Score	.57
Exons	1343..1666, 1711..1803, 3018..3184, 4172..4273, 4389..4428		

Seq. No.	46985	Seq. ID	OJ000207_12.0321.C11
Gene No.	99847	Strand	-
Start	1343	End	4428
Name	OJ000207_12.0321.C11.o1.np	Method	AAT/NAP
Start	2330	End	4315
GI	6539570	Score	209
Exons	2330..2356, 3883..3953, 4113..4315		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46985	Seq. ID	OJ000207_12.0321.C11
Gene No.	99848	Strand	-
Start	4443	End	5014
Name	OJ000207_12.0321.C11.o2.np	Method	AAT/NAP
Start	4443	End	5014
GI	6630699	Score	77
Exons	4443..4520, 4996..5014		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46986	Seq. ID	OJ000207_12.0321.C12
Gene No.	99849	Strand	+
Start	74	End	1210
Name	OJ000207_12.0321.C12.o1.gs	Method	GENSCAN
Start	74	End	1210
GI	none	Score	.67
Exons	74..154, 908..1210		

Seq. No.	46987	Seq. ID	OJ000207_12.0321.C13
Gene No.	99850	Strand	+
Start	984	End	1187
Name	OJ000207_12.0321.C13.o1.gs	Method	GENSCAN
Start	984	End	1187

GI	none	Score	.85
Exons	984..1187		
Seq. No.	46987	Seq. ID	OJ000207_12.0321.C13
Gene No.	99851	Strand	-
Start	2400	End	2681
Name	OJ000207_12.0321.C13.o2.gs	Method	GENSCAN
Start	2400	End	2681
GI	none	Score	1
Exons	2400..2681		
Seq. No.	46988	Seq. ID	OJ000207_12.0321.C14
Gene No.	99852	Strand	+
Start	376	End	506
Name	OJ000207_12.0321.C14.o1.gs	Method	GENSCAN
Start	376	End	506
GI	none	Score	.88
Exons	376..506		
Seq. No.	46988	Seq. ID	OJ000207_12.0321.C14
Gene No.	99853	Strand	-
Start	1	End	705
Name	OJ000207_12.0321.C14.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6815062	Score	191
Exons	1..28, 403..523, 599..705		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	46989	Seq. ID	OJ000207_12.0321.C15
Gene No.	99854	Strand	+
Start	375	End	3752
Name	OJ000207_12.0321.C15.o1.gs	Method	GENSCAN
Start	375	End	2776
GI	none	Score	.77
Exons	375..428, 1079..1168, 2367..2427, 2656..2776		
Seq. No.	46989	Seq. ID	OJ000207_12.0321.C15
Gene No.	99854	Strand	+
Start	375	End	3752
Name	OJ000207_12.0321.C15.o2.np	Method	AAT/NAP
Start	2234	End	3752
GI	7106512	Score	748
Exons	2234..2293, 2367..2478, 2576..2758, 3259..3752		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46989	Seq. ID	OJ000207_12.0321.C15
Gene No.	99855	Strand	-
Start	1	End	3732
Name	OJ000207_12.0321.C15.o1.np	Method	AAT/NAP
Start	1	End	3686
GI	6815062	Score	993
Exons	1..621, 720..782, 946..1370, 3626..3686		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza		

sativa]

Seq. No.	46989	Seq. ID	OJ000207_12.0321.C15
Gene No.	99855	Strand	-
Start	1	End	3732
Name	OJ000207_12.0321.C15.o2.gs	Method	GENSCAN
Start	3337	End	3732
GI	none	Score	.97
Exons	3337..3732		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99856	Strand	+
Start	1	End	4818
Name	OJ000207_12.0321.C16.o2.np	Method	AAT/NAP
Start	1	End	4818
GI	4680186	Score	377
Exons	1..27, 3726..3780, 4618..4818		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99856	Strand	+
Start	1	End	4818
Name	OJ000207_12.0321.C16.o1.np	Method	AAT/NAP
Start	2	End	3664
GI	5091513	Score	2903
Exons	2..679, 741..2532, 2591..2844, 3597..3664		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99856	Strand	+
Start	1	End	4818
Name	OJ000207_12.0321.C16.o2.gs	Method	GENSCAN
Start	1280	End	2760
GI	none	Score	.93
Exons	1280..2303, 2315..2760		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o3.np	Method	AAT/NAP
Start	3949	End	9450
GI	4680179	Score	3366
Exons	3949..3973, 6175..8328, 8362..9450		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o2.gp	Method	AAT/GAP
Start	4371	End	4751
GI	uC-osflcyp033a04b1	Score	662
Exons	4371..4751		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-

Start	3949	End	9450
Name	OJ000207_12.0321.C16.o5.tw	Method	TBLASTX:Wheat
Start	6174	End	6428
GI	none	Score	108
Exons	6174..6428, 6178..6420		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o1.tw	Method	TBLASTX:Wheat
Start	6429	End	6932
GI	none	Score	362
Exons	6429..6932, 6436..6900		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o1.tm	Method	TBLASTX:Maize
Start	6498	End	6861
GI	none	Score	175
Exons	6498..6860, 6507..6860, 6511..6861		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o2.ts	Method	TBLASTX:Soybean
Start	6681	End	6926
GI	none	Score	92
Exons	6681..6926, 6682..6909		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o2.tm	Method	TBLASTX:Maize
Start	6897	End	7397
GI	none	Score	50
Exons	6897..7211, 6940..6990, 7018..7146, 7218..7397, 7270..7389		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o3.tw	Method	TBLASTX:Wheat
Start	6933	End	7235
GI	none	Score	284
Exons	6933..7235, 6949..7224		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o1.ts	Method	TBLASTX:Soybean
Start	6948	End	7343
GI	none	Score	203
Exons	6948..7307, 6949..7224, 7270..7305, 7311..7343, 7312..7341		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450

Name	OJ000207_12.0321.C16.o2.tw	Method	TBLASTX:Wheat
Start	7284	End	7770
GI	none	Score	97
Exons	7284..7661, 7327..7443, 7343..7543, 7350..7652, 7465..7770, 7573..7692, 7716..7769		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o3.tm	Method	TBLASTX:Maize
Start	7465	End	7755
GI	none	Score	247
Exons	7465..7755, 7467..7754		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o6.tw	Method	TBLASTX:Wheat
Start	7935	End	8303
GI	none	Score	59
Exons	7935..8048, 7936..8049, 8094..8303, 8095..8247		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o4.tw	Method	TBLASTX:Wheat
Start	8619	End	8970
GI	none	Score	70
Exons	8619..8969, 8769..8969, 8791..8970		

Seq. No.	46990	Seq. ID	OJ000207_12.0321.C16
Gene No.	99857	Strand	-
Start	3949	End	9450
Name	OJ000207_12.0321.C16.o4.tm	Method	TBLASTX:Maize
Start	8664	End	8969
GI	none	Score	88
Exons	8664..8969, 8776..8955		

Seq. No.	46991	Seq. ID	OJ000207_12.0321.C17
Gene No.	99858	Strand	+
Start	1	End	2582
Name	OJ000207_12.0321.C17.o1.np	Method	AAT/NAP
Start	1	End	182
GI	4680185	Score	141
Exons	1..182		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	46991	Seq. ID	OJ000207_12.0321.C17
Gene No.	99858	Strand	+
Start	1	End	2582
Name	OJ000207_12.0321.C17.o2.np	Method	AAT/NAP
Start	1	End	2106
GI	7248395	Score	1021
Exons	1..118, 847..1444, 1585..2106		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46991	Seq. ID	OJ000207_12.0321.C17

Gene No.	99858	Strand	+
Start	1	End	2582
Name	OJ000207_12.0321.C17.o1.gs	Method	GENSCAN
Start	896	End	2582
GI	none	Score	.67
Exons	896..1029, 1162..1371, 1418..1719, 2462..2582		

Seq. No.	46991	Seq. ID	OJ000207_12.0321.C17
Gene No.	99859	Strand	-
Start	2400	End	2623
Name	OJ000207_12.0321.C17.o3.np	Method	AAT/NAP
Start	2400	End	2623
GI	7106513	Score	139
Exons	2400..2508, 2580..2623		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46992	Seq. ID	OJ000207_12.0321.C22
Gene No.	99860	Strand	+
Start	1	End	298
Name	OJ000207_12.0321.C22.o1.gp	Method	AAT/GAP
Start	1	End	298
GI	4714129	Score	574
Exons	1..298		

Seq. No.	46992	Seq. ID	OJ000207_12.0321.C22
Gene No.	99861	Strand	+
Start	2768	End	4396
Name	OJ000207_12.0321.C22.o2.gp	Method	AAT/GAP
Start	2645	End	2925
GI	2312289	Score	446
Exons	2645..2925		

Seq. No.	46992	Seq. ID	OJ000207_12.0321.C22
Gene No.	99861	Strand	+
Start	2768	End	4396
Name	OJ000207_12.0321.C22.o2.gs	Method	GENSCAN
Start	2768	End	4384
GI	none	Score	.96
Exons	2768..2923, 3949..4093, 4207..4384		

Seq. No.	46992	Seq. ID	OJ000207_12.0321.C22
Gene No.	99861	Strand	+
Start	2768	End	4396
Name	OJ000207_12.0321.C22.o1.np	Method	AAT/NAP
Start	2786	End	4396
GI	3851640	Score	188
Exons	2786..2910, 3978..4130, 4199..4396		
GI Descrip.	(AF098636) chaperone GrpE type 2 [Nicotiana tabacum]		

Seq. No.	46992	Seq. ID	OJ000207_12.0321.C22
Gene No.	99862	Strand	-
Start	737	End	1390
Name	OJ000207_12.0321.C22.o1.gs	Method	GENSCAN
Start	737	End	1390
GI	none	Score	.96
Exons	737..829, 935..1070, 1242..1390		

Seq. No.	46992	Seq. ID	OJ000207_12.0321.C22
Gene No.	99863	Strand	
Start	3959	End	4396
Name	OJ000207_12.0321.C22.o1.tm	Method	TBLASTX:Maize
Start	3959	End	4396
GI	none	Score	107
Exons	3959..4087, 3964..4062, 4166..4396, 4167..4394		

Seq. No.	46992	Seq. ID	OJ000207_12.0321.C22
Gene No.	99863	Strand	
Start	3959	End	4396
Name	OJ000207_12.0321.C22.o1.tc	Method	TBLASTX:Cress
Start	4012	End	4383
GI	none	Score	44
Exons	4012..4140, 4199..4375, 4200..4382, 4225..4383		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99864	Strand	+
Start	14478	End	18342
Name	OJ000207_12.0321.C23.o4.np	Method	AAT/NAP
Start	13437	End	17487
GI	4680183	Score	126
Exons	13437..13480, 17394..17487		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99864	Strand	+
Start	14478	End	18342
Name	OJ000207_12.0321.C23.o2.gs	Method	GENSCAN
Start	14478	End	16510
GI	none	Score	.77
Exons	14478..14704, 14815..15060, 15194..15249, 15331..15488, 15817..16062, 16367..16510		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99864	Strand	+
Start	14478	End	18342
Name	OJ000207_12.0321.C23.o3.gs	Method	GENSCAN
Start	17133	End	18342
GI	none	Score	.91
Exons	17133..17176, 17267..17443, 18150..18342		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99865	Strand	+
Start	20361	End	23530
Name	OJ000207_12.0321.C23.o4.gs	Method	GENSCAN
Start	20361	End	23530
GI	none	Score	.44
Exons	20361..22241, 22599..22728, 22799..23041, 23099..23530		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o2.tm	Method	TBLASTX:Maize
Start	721	End	3037
GI	none	Score	89
Exons	721..768, 762..899, 765..905, 2827..2862, 2828..2860,		

2920..3036, 2927..3037

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o1.gs	Method	GENSCAN
Start	724	End	12291
GI	none	Score	.72
Exons	724..897, 1645..1753, 1854..1894, 2743..3136, 5669..5907, 6836..6989, 8496..8764, 9970..10122, 12145..12291		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o1.np	Method	AAT/NAP
Start	1247	End	3036
GI	7486827	Score	88
Exons	1247..1288, 2929..3036		
GI Descrip.	hypothetical protein T10I14.150 - Arabidopsis thaliana gi|2832682|emb|CAA16782.1| (AL021712) hypothetical protein [Arabidopsis thaliana] gi|7269078|emb|CAB79187.1| (AL161557) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o1.gp	Method	AAT/GAP
Start	3780	End	4129
GI	61605_3.R1084	Score	443
Exons	3780..3802, 3853..4129		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o2.np	Method	AAT/NAP
Start	4509	End	8332
GI	6063554	Score	574
Exons	4509..4677, 5632..5888, 6006..6280, 8299..8332		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o1.tm	Method	TBLASTX:Maize
Start	7750	End	12283
GI	none	Score	42
Exons	7750..7812, 7887..7946, 7893..7946, 7894..7950, 7897..7947, 8024..8056, 8025..8066, 8027..8056, 8054..8107, 8055..8108, 8457..8765, 8475..8768, 8483..8773, 8495..8776, 8836..8958, 8841..8918, 9010..9117, 9010..9096, 9012..9098, 9174..9251, 9175..9240, 9177..9242, 9179..9244, 9967..10122, 9968..10123, 12157..12282, 12158..12283		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o1.tc	Method	TBLASTX:Cress
Start	7880	End	12286
GI	none	Score	68
Exons	7880..7948, 7897..7950, 8010..8108, 8030..8107, 8457..8777, 8495..8776, 8841..8918, 8845..8922, 9010..9108, 9012..9098, 9174..9251, 9175..9240, 9967..10122, 9968..10123, 12157..12282, 12158..12286		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o1.ts	Method	TBLASTX:Soybean
Start	7897	End	8903
GI	none	Score	67
Exons	7897..7950, 7898..7948, 8025..8108, 8030..8107, 8457..8765, 8475..8768, 8495..8776, 8498..8773, 8841..8903, 8842..8901		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o3.np	Method	AAT/NAP
Start	7900	End	12285
GI	2623199	Score	1311
Exons	7900..7947, 8027..8105, 8496..8764, 8841..8916, 9010..9095, 9177..9239, 9970..10122, 12145..12285		
GI Descrip.	(AF030290) protein phosphatase X isoform 2 [Arabidopsis thaliana]		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o1.tw	Method	TBLASTX:Wheat
Start	8042	End	9098
GI	none	Score	101
Exons	8042..8107, 8484..8708, 8493..8675, 8495..8677, 8684..8752, 8687..8776, 8688..8753, 8844..8954, 8863..8910, 9012..9098, 9013..9087		

Seq. No.	46993	Seq. ID	OJ000207_12.0321.C23
Gene No.	99866	Strand	-
Start	724	End	12291
Name	OJ000207_12.0321.C23.o2.ts	Method	TBLASTX:Soybean
Start	9010	End	12285
GI	none	Score	117
Exons	9010..9096, 9012..9098, 9012..9098, 9174..9251, 9175..9240, 9945..10121, 9967..10122, 9968..10123, 12157..12285, 12158..12283		

Seq. No.	46994	Seq. ID	OJ000207_12.0321.C37
Gene No.	99867	Strand	-
Start	218	End	232
Name	OJ000207_12.0321.C37.o1.gs	Method	GENSCAN
Start	218	End	232
GI	none	Score	.9

Exons	218..232		
Seq. No.	46995	Seq. ID	OJ000207_12.0321.C39
Gene No.	99868	Strand	-
Start	88	End	698
Name	OJ000207_12.0321.C39.o1.gs	Method	GENSCAN
Start	88	End	698
GI	none	Score	.5
Exons	88..133, 311..363, 499..698		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99869	Strand	+
Start	1104	End	1328
Name	OJ000207_12.0321.C40.o1.gs	Method	GENSCAN
Start	1104	End	1328
GI	none	Score	.72
Exons	1104..1328		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99870	Strand	+
Start	1367	End	2017
Name	OJ000207_12.0321.C40.o1.np	Method	AAT/NAP
Start	1367	End	2017
GI	6498457	Score	110
Exons	1367..1547, 1925..2017		
GI Descrip.	(AP000816) EST AU032536(S10696) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99871	Strand	+
Start	3714	End	3894
Name	OJ000207_12.0321.C40.o1.gp	Method	AAT/GAP
Start	3714	End	3894
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	3714..3775, 3852..3894		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99872	Strand	-
Start	2043	End	4185
Name	OJ000207_12.0321.C40.o2.np	Method	AAT/NAP
Start	1793	End	4185
GI	6069646	Score	704
Exons	1793..2779, 3062..3688, 4046..4185		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99872	Strand	-
Start	2043	End	4185
Name	OJ000207_12.0321.C40.o2.tm	Method	TBLASTX:Maize
Start	1999	End	2278

GI	none	Score	114
Exons	1999..2271, 2078..2278, 2123..2278		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99872	Strand	-
Start	2043	End	4185
Name	OJ000207_12.0321.C40.o2.gs	Method	GENSCAN
Start	2043	End	3293
GI	none	Score	.69
Exons	2043..2140, 2298..2381, 2450..2638, 2688..2785, 2824..3293		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99872	Strand	-
Start	2043	End	4185
Name	OJ000207_12.0321.C40.o2.tw	Method	TBLASTX:Wheat
Start	2218	End	2609
GI	none	Score	88
Exons	2218..2373, 2469..2609		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99872	Strand	-
Start	2043	End	4185
Name	OJ000207_12.0321.C40.o3.tm	Method	TBLASTX:Maize
Start	2605	End	2844
GI	none	Score	134
Exons	2605..2844, 2610..2843		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99872	Strand	-
Start	2043	End	4185
Name	OJ000207_12.0321.C40.o1.tw	Method	TBLASTX:Wheat
Start	2766	End	3203
GI	none	Score	50
Exons	2766..2924, 2767..2859, 2910..3203, 2941..3000, 3064..3171		
Seq. No.	46996	Seq. ID	OJ000207_12.0321.C40
Gene No.	99872	Strand	-
Start	2043	End	4185
Name	OJ000207_12.0321.C40.o1.tm	Method	TBLASTX:Maize
Start	2853	End	3521
GI	none	Score	86
Exons	2853..3521, 3067..3300, 3379..3483		
Seq. No.	46997	Seq. ID	OJ000207_12.0321.C41
Gene No.	99873	Strand	
Start	4080	End	4524
Name	OJ000207_12.0321.C41.o1.tw	Method	TBLASTX:Wheat
Start	4080	End	4524
GI	none	Score	105
Exons	4080..4172, 4271..4474, 4272..4448, 4468..4524		
Seq. No.	46998	Seq. ID	OJ000207_12.0321.C42
Gene No.	99874	Strand	+
Start	557	End	1855
Name	OJ000207_12.0321.C42.o2.np	Method	AAT/NAP
Start	557	End	1855
GI	7106516	Score	123

Exons	557..722, 1698..1855		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	46998	Seq. ID	OJ000207_12.0321.C42
Gene No.	99875	Strand	-
Start	1	End	1109
Name	OJ000207_12.0321.C42.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	7228450	Score	112
Exons	1..88, 225..310, 993..1109		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	46999	Seq. ID	OJ000117_02.0308.C2
Gene No.	99876	Strand	-
Start	49	End	2936
Name	OJ000117_02.0308.C2.o1.np	Method	AAT/NAP
Start	49	End	2936
GI	6850839	Score	750
Exons	49..267, 591..728, 815..947, 1029..1156, 1238..1279, 1378..1437, 1605..1662, 1967..2149, 2288..2405, 2915..2936		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		
Seq. No.	46999	Seq. ID	OJ000117_02.0308.C2
Gene No.	99876	Strand	-
Start	49	End	2936
Name	OJ000117_02.0308.C2.o1.tm	Method	TBLASTX:Maize
Start	597	End	1663
GI	none	Score	99
Exons	597..728, 648..728, 649..729, 652..729, 809..955, 810..956, 812..955, 1011..1157, 1013..1156, 1027..1158, 1068..1160, 1230..1307, 1235..1309, 1238..1282, 1361..1438, 1369..1437, 1376..1480, 1377..1478, 1602..1661, 1603..1662, 1604..1663		
Seq. No.	46999	Seq. ID	OJ000117_02.0308.C2
Gene No.	99876	Strand	-
Start	49	End	2936
Name	OJ000117_02.0308.C2.o1.ts	Method	TBLASTX:Soybean
Start	669	End	950
GI	none	Score	156
Exons	669..728, 679..735, 771..950, 810..944, 812..949		
Seq. No.	46999	Seq. ID	OJ000117_02.0308.C2
Gene No.	99876	Strand	-
Start	49	End	2936
Name	OJ000117_02.0308.C2.o1.tc	Method	TBLASTX:Cress
Start	675	End	1438
GI	none	Score	67
Exons	675..725, 848..949, 849..950, 1034..1156, 1080..1157, 1235..1285, 1361..1438, 1369..1437		
Seq. No.	46999	Seq. ID	OJ000117_02.0308.C2
Gene No.	99876	Strand	-
Start	49	End	2936
Name	OJ000117_02.0308.C2.o1.gs	Method	GENSCAN
Start	812	End	2400
GI	none	Score	.93
Exons	812..947, 1026..1156, 1238..1296, 1338..1437, 1605..1662,		

1967..2149, 2288..2400

Seq. No.	46999	Seq. ID	OJ000117_02.0308.C2
Gene No.	99876	Strand	-
Start	49	End	2936
Name	OJ000117_02.0308.C2.o1.gp	Method	AAT/GAP
Start	1098	End	2369
GI	uC-osflcyp141e02b1	Score	832
Exons	1098..1156, 1238..1279, 1378..1437, 1605..1662, 1967..2149, 2288..2369		
GI Descrip.	'5901808/gb|AAD55412.1|AF181626_1 5.0e-13 (AF181626) BcDNA.GH03694 [Drosophila melanogaster]'		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o1.np	Method	AAT/NAP
Start	1	End	4083
GI	6850839	Score	2010
Exons	1..97, 233..409, 607..687, 783..960, 1036..1175, 1256..1451, 1746..1969, 2071..2500, 2887..3302, 3429..3510, 3815..4083		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o2.np	Method	AAT/NAP
Start	1	End	7080
GI	7485713	Score	264
Exons	1..19, 2231..2372, 5558..5736, 5837..5921, 6177..6351, 6440..6643, 6949..7080		
GI Descrip.	hypothetical protein F18E5.160 - Arabidopsis thaliana gi|3080398|emb|CAA18718.1| (AL022603) putative protein [Arabidopsis thaliana] gi|7268951|emb|CAB81261.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o1.gp	Method	AAT/GAP
Start	233	End	1060
GI	2310509	Score	783
Exons	233..409, 607..660, 783..957, 1036..1060		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o1.gs	Method	GENSCAN
Start	233	End	4089
GI	none	Score	.54
Exons	233..409, 607..660, 783..957, 1036..1178, 1256..1427, 1746..1951, 2122..2500, 2887..3302, 3429..3510, 3608..4089		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o1.tm	Method	TBLASTX:Maize

Start	261	End	1178
GI	none	Score	180
Exons	261..416, 262..327, 263..418, 605..664, 613..663, 780..959, 1030..1065, 1044..1178, 1053..1172, 1054..1176	263..334, 373..417, 380..418, 781..960, 783..950, 784..960,	

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o2.ts	Method	TBLASTX:Soybean
Start	780	End	960
GI	none	Score	103
Exons	780..959, 783..947, 784..960, 853..960		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o1.ts	Method	TBLASTX:Soybean
Start	1730	End	2413
GI	none	Score	159
Exons	1730..1963, 1733..1966, 1734..1967, 1743..1973, 2068..2244, 2068..2256, 2069..2260, 2135..2260, 2330..2410, 2348..2413, 2350..2412		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o3.tm	Method	TBLASTX:Maize
Start	2383	End	3030
GI	none	Score	208
Exons	2383..2502, 2384..2512, 2386..2517, 2883..3029, 2884..3030, 2889..3029		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o2.tm	Method	TBLASTX:Maize
Start	5626	End	8142
GI	none	Score	134
Exons	5626..5730, 5626..5733, 5658..5735, 5678..5731, 5678..5740, 5837..5884, 5837..5884, 5838..5885, 5841..5885, 5885..5920, 5886..5945, 5886..5921, 6184..6360, 6188..6352, 6265..6354, 6438..6506, 6440..6496, 6513..6620, 6522..6644, 6529..6645, 6536..6646, 6948..7082, 6949..7089, 6950..7090, 7283..7336, 7287..7355, 7319..7387, 7322..7387, 7326..7403, 7910..7990, 7921..8010, 7923..8012, 8102..8137, 8107..8142		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3
Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o2.gs	Method	GENSCAN
Start	5630	End	9565
GI	none	Score	.85
Exons	5630..5736, 5837..5921, 6202..6381, 6440..6583, 8712..8891, 9140..9214, 9309..9409, 9487..9565		

Seq. No.	47000	Seq. ID	OJ000117_02.0308.C3

Gene No.	99877	Strand	-
Start	1	End	10071
Name	OJ000117_02.0308.C3.o3.np	Method	AAT/NAP
Start	7907	End	10071
GI	7485712	Score	524
Exons	7907..8009, 8105..8187, 8712..8891, 9140..9231, 9296..9412, 9448..9647, 9996..10071		
GI Descrip.	hypothetical protein F18E5.150 - Arabidopsis thaliana gi|3080397|emb|CAA18717.1| (AL022603) hypothetical protein [Arabidopsis thaliana] gi|7268950|emb|CAB81260.1| (AL161555) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99878	Strand	+
Start	10838	End	11779
Name	OJ000117_02.0308.C4.o3.gs	Method	GENSCAN
Start	10838	End	11779
GI	none	Score	1
Exons	10838..11779		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99879	Strand	+
Start	12514	End	14477
Name	OJ000117_02.0308.C4.o4.gs	Method	GENSCAN
Start	12514	End	14477
GI	none	Score	.82
Exons	12514..12764, 13003..13039, 13419..13592, 13689..14477		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99880	Strand	+
Start	14955	End	17873
Name	OJ000117_02.0308.C4.o5.gs	Method	GENSCAN
Start	14955	End	17873
GI	none	Score	.78
Exons	14955..15242, 15323..15497, 16359..16415, 17189..17392, 17773..17873		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99881	Strand	+
Start	18693	End	19619
Name	OJ000117_02.0308.C4.o6.gs	Method	GENSCAN
Start	18693	End	19619
GI	none	Score	.87
Exons	18693..19619		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99882	Strand	+
Start	20702	End	26149
Name	OJ000117_02.0308.C4.o4.np	Method	AAT/NAP
Start	20702	End	25337
GI	4680203	Score	3335
Exons	20702..20762, 22026..23699, 23853..24083, 24360..25337		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99882	Strand	+
Start	20702	End	26149

Name	OJ000117_02.0308.C4.o2.gp	Method	AAT/GAP
Start	21578	End	23099
GI	2310235	Score	304
Exons	21578..21615, 22026..22165, 23042..23099		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99882	Strand	+
Start	20702	End	26149
Name	OJ000117_02.0308.C4.o3.gp	Method	AAT/GAP
Start	22030	End	26119
GI	342_1.R1084	Score	6796
Exons	22030..25403, 25439..25458, 25541..26119		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99882	Strand	+
Start	20702	End	26149
Name	OJ000117_02.0308.C4.o4.gp	Method	AAT/GAP
Start	22030	End	26121
GI	342_1.R1084	Score	6800
Exons	22030..25403, 25439..25458, 25541..26121		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99882	Strand	+
Start	20702	End	26149
Name	OJ000117_02.0308.C4.o8.gp	Method	AAT/GAP
Start	22060	End	26149
GI	342_1.R1084	Score	6834
Exons	22060..25403, 25439..25458, 25541..26149		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99882	Strand	+
Start	20702	End	26149
Name	OJ000117_02.0308.C4.o6.gp	Method	AAT/GAP
Start	22061	End	26149
GI	342_1.R1084	Score	6832
Exons	22061..25403, 25439..25458, 25541..26149		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99882	Strand	+
Start	20702	End	26149
Name	OJ000117_02.0308.C4.o7.gp	Method	AAT/GAP
Start	22065	End	26149
GI	342_1.R1084	Score	6824
Exons	22065..25403, 25439..25458, 25541..26149		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99883	Strand	-
Start	1	End	1794
Name	OJ000117_02.0308.C4.o1.np	Method	AAT/NAP
Start	1	End	1794
GI	7485712	Score	433
Exons	1..21, 269..513, 1270..1379, 1588..1794		
GI Descrip.	hypothetical protein F18E5.150 - Arabidopsis thaliana gi|3080397|emb|CAA18717.1| (AL022603) hypothetical protein [Arabidopsis thaliana] gi|7268950|emb|CAB81260.1| (AL161555) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99884	Strand	-
Start	4562	End	9725
Name	OJ000117_02.0308.C4.o1.gp	Method	AAT/GAP
Start	4562	End	6627
GI	1088_1.R1084	Score	1301
Exons	4562..4842, 5996..6039, 6122..6350, 6449..6627		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99884	Strand	-
Start	4562	End	9725
Name	OJ000117_02.0308.C4.o2.gs	Method	GENSCAN
Start	5998	End	9725
GI	none	Score	.84
Exons	5998..6039, 6122..6350, 6449..6535, 6642..6792, 6823..6894, 6951..7309, 7454..7963, 9385..9725		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99884	Strand	-
Start	4562	End	9725
Name	OJ000117_02.0308.C4.o3.np	Method	AAT/NAP
Start	6001	End	6516
GI	6939227	Score	453
Exons	6001..6039, 6122..6350, 6449..6516		
GI Descrip.	(AC020579) putative ribosomal protein [Arabidopsis thaliana]		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99885	Strand	-
Start	20198	End	21094
Name	OJ000117_02.0308.C4.o7.gs	Method	GENSCAN
Start	20198	End	21094
GI	none	Score	.65
Exons	20198..20212, 20481..20628, 20889..21094		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o5.tc	Method	TBLASTX:Cress
Start	269	End	499
GI	none	Score	149
Exons	269..499, 274..489		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4

Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o5.tm	Method	TBLASTX:Maize
Start	271	End	507
GI	none	Score	248
Exons	271..465, 272..469, 457..507, 460..507		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o4.ts	Method	TBLASTX:Soybean
Start	290	End	1706
GI	none	Score	181
Exons	290..433, 292..489, 293..487, 295..489, 763..846, 1228..1380, 1289..1381, 1584..1700, 1586..1702, 1596..1706		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o4.tc	Method	TBLASTX:Cress
Start	1559	End	1702
GI	none	Score	155
Exons	1559..1699, 1584..1700, 1595..1702		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o9.tm	Method	TBLASTX:Maize
Start	2103	End	2387
GI	none	Score	86
Exons	2103..2195, 2144..2194, 2247..2387, 2252..2383		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o3.tw	Method	TBLASTX:Wheat
Start	5992	End	6519
GI	none	Score	61
Exons	5992..6051, 5997..6041, 5997..6056, 6122..6352, 6123..6350, 6439..6519, 6448..6519		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o1.tc	Method	TBLASTX:Cress
Start	5993	End	6538
GI	none	Score	59
Exons	5993..6040, 5996..6046, 6122..6352, 6123..6353, 6448..6519, 6449..6538		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o1.tm	Method	TBLASTX:Maize
Start	5995	End	6523
GI	none	Score	66
Exons	5995..6039, 5996..6040, 6116..6352, 6117..6350, 6313..6351,		

6439..6519, 6448..6519, 6452..6523

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o1.ts	Method	TBLASTX:Soybean
Start	5998	End	6526
GI	none	Score	45
Exons	5998..6039, 6002..6040, 6122..6352, 6123..6353, 6448..6516, 6449..6526		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o6.tm	Method	TBLASTX:Maize
Start	11179	End	19417
GI	none	Score	124
Exons	11179..11262, 11180..11266, 11276..11413, 11423..11491, 11507..11569, 19044..19268, 19346..19417		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o7.tw	Method	TBLASTX:Wheat
Start	15117	End	15430
GI	none	Score	87
Exons	15117..15242, 15265..15429, 15266..15430		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o2.tm	Method	TBLASTX:Maize
Start	15287	End	15709
GI	none	Score	347
Exons	15287..15607, 15289..15396, 15466..15606, 15507..15614, 15525..15614, 15625..15708, 15626..15709		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o6.tw	Method	TBLASTX:Wheat
Start	15431	End	15846
GI	none	Score	224
Exons	15431..15622, 15440..15604, 15453..15611, 15628..15777, 15629..15784, 15784..15846		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o7.tm	Method	TBLASTX:Maize
Start	15710	End	16046
GI	none	Score	55
Exons	15710..15778, 15781..15942, 15801..15941, 15981..16046		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394

Name	OJ000117_02.0308.C4.o8.tm	Method	TBLASTX:Maize
Start	16056	End	16245
GI	none	Score	75
Exons	16056..16244, 16069..16245, 16071..16238		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o5.tw	Method	TBLASTX:Wheat
Start	22377	End	22728
GI	none	Score	105
Exons	22377..22484, 22467..22718, 22475..22717, 22477..22728		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o2.ts	Method	TBLASTX:Soybean
Start	22649	End	23078
GI	none	Score	102
Exons	22649..22732, 22650..22724, 22725..22787, 22782..23078, 22836..23060		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o3.tc	Method	TBLASTX:Cress
Start	22811	End	23159
GI	none	Score	325
Exons	22811..22963, 22818..23159, 23003..23140		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o2.tw	Method	TBLASTX:Wheat
Start	22947	End	23416
GI	none	Score	72
Exons	22947..23000, 22955..22999, 23001..23105, 23012..23101, 23109..23207, 23114..23206, 23187..23411, 23208..23411, 23210..23416		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o3.tm	Method	TBLASTX:Maize
Start	22992	End	23450
GI	none	Score	247
Exons	22992..23246, 23004..23246, 23256..23450		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o3.ts	Method	TBLASTX:Soybean
Start	23292	End	23522
GI	none	Score	210
Exons	23292..23522		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4

Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o4.tw	Method	TBLASTX:Wheat
Start	23555	End	23965
GI	none	Score	87
Exons	23555..23605, 23556..23618, 23624..23806, 23628..23846, 23635..23847, 23879..23965, 23880..23963		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o1.tw	Method	TBLASTX:Wheat
Start	23966	End	25283
GI	none	Score	880
Exons	23966..24868, 23967..24884, 24882..24923, 24883..24918, 24926..25021, 24930..24989, 24968..25108, 24969..25109, 25122..25202, 25191..25283		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o4.tm	Method	TBLASTX:Maize
Start	24009	End	24323
GI	none	Score	316
Exons	24009..24323, 24020..24295, 24093..24323		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o2.tc	Method	TBLASTX:Cress
Start	24250	End	24702
GI	none	Score	174
Exons	24250..24432, 24254..24691, 24254..24697, 24258..24701, 24451..24702, 24552..24701		

Seq. No.	47001	Seq. ID	OJ000117_02.0308.C4
Gene No.	99886	Strand	-
Start	24977	End	25394
Name	OJ000117_02.0308.C4.o5.gp	Method	AAT/GAP
Start	24977	End	25394
GI	LIB3431-028-P1-N1-A10	Score	824
Exons	24977..25394		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99887	Strand	+
Start	1122	End	4837
Name	OJ000117_02.0308.C5.o1.np	Method	AAT/NAP
Start	1122	End	4819
GI	4680204	Score	1055
Exons	1122..2558, 2633..3732, 3842..4015, 4112..4331, 4682..4819		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99887	Strand	+
Start	1122	End	4837

Name	OJ000117_02.0308.C5.o1.gs	Method	GENSCAN
Start	1137	End	4837
GI	none	Score	.65
Exons	1137..1335, 1387..1693, 1763..2558, 2633..2774, 2900..3045, 3047..3732, 3842..4015, 4112..4222, 4307..4379, 4474..4572, 4652..4837		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99888	Strand	+
Start	5239	End	5383
Name	OJ000117_02.0308.C5.o3.gp	Method	AAT/GAP
Start	5239	End	5383
GI	21474_1.R1084	Score	250
Exons	5239..5383		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99889	Strand	+
Start	7356	End	8282
Name	OJ000117_02.0308.C5.o2.gs	Method	GENSCAN
Start	7356	End	8282
GI	none	Score	.55
Exons	7356..8282		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99890	Strand	+
Start	10426	End	13366
Name	OJ000117_02.0308.C5.o3.gs	Method	GENSCAN
Start	10426	End	13366
GI	none	Score	.63
Exons	10426..10478, 11653..11830, 12972..13366		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99891	Strand	-
Start	5216	End	8087
Name	OJ000117_02.0308.C5.o1.tw	Method	TBLASTX:Wheat
Start	1765	End	2168
GI	none	Score	62
Exons	1765..1905, 1765..1875, 1767..2003, 1767..1916, 1868..1963, 1998..2168		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99891	Strand	-
Start	5216	End	8087
Name	OJ000117_02.0308.C5.o2.tw	Method	TBLASTX:Wheat
Start	3659	End	4181
GI	none	Score	60
Exons	3659..3739, 3828..4010, 3878..4003, 4110..4181		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99891	Strand	-
Start	5216	End	8087
Name	OJ000117_02.0308.C5.o3.np	Method	AAT/NAP
Start	5216	End	8019
GI	7106528	Score	97
Exons	5216..5489, 7330..7886, 7977..8019		

GI Descrip. (AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99891	Strand	-
Start	5216	End	8087
Name	OJ000117_02.0308.C5.o1.tm	Method	TBLASTX:Maize
Start	7706	End	8087
GI	none	Score	254
Exons	7706..7933, 7707..7931, 7941..7997, 8016..8087		

Seq. No.	47002	Seq. ID	OJ000117_02.0308.C5
Gene No.	99892	Strand	
Start	9674	End	10077
Name	OJ000117_02.0308.C5.o2.tm	Method	TBLASTX:Maize
Start	9674	End	10077
GI	none	Score	61
Exons	9674..10003, 10003..10077		

Seq. No.	47003	Seq. ID	OJ000117_02.0308.C6
Gene No.	99893	Strand	+
Start	72	End	527
Name	OJ000117_02.0308.C6.o1.gs	Method	GENSCAN
Start	72	End	527
GI	none	Score	1
Exons	72..527		

Seq. No.	47003	Seq. ID	OJ000117_02.0308.C6
Gene No.	99894	Strand	+
Start	2807	End	3286
Name	OJ000117_02.0308.C6.o2.tm	Method	TBLASTX:Maize
Start	6	End	353
GI	none	Score	162
Exons	6..179, 199..234, 269..337, 270..353		

Seq. No.	47003	Seq. ID	OJ000117_02.0308.C6
Gene No.	99894	Strand	+
Start	2807	End	3286
Name	OJ000117_02.0308.C6.o1.tm	Method	TBLASTX:Maize
Start	2778	End	3286
GI	none	Score	53
Exons	2778..2870, 2806..2841, 2953..3237, 2954..3286, 3101..3280		

Seq. No.	47003	Seq. ID	OJ000117_02.0308.C6
Gene No.	99894	Strand	+
Start	2807	End	3286
Name	OJ000117_02.0308.C6.o2.gs	Method	GENSCAN
Start	2807	End	3283
GI	none	Score	.97
Exons	2807..3283		

Seq. No.	47003	Seq. ID	OJ000117_02.0308.C6
Gene No.	99894	Strand	+
Start	2807	End	3286
Name	OJ000117_02.0308.C6.o1.np	Method	AAT/NAP
Start	2840	End	3277
GI	4263701	Score	288

Exons	2840..3277		
GI Descrip.	(AC006223) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99895	Strand	+
Start	65	End	4660
Name	OJ000117_02.0308.C7.o1.gs	Method	GENSCAN
Start	65	End	4495
GI	none	Score	.85
Exons	65..191, 309..363, 1033..1181, 1533..1614, 2092..2183, 2341..2418, 2512..2573, 3149..3293, 3418..3636, 3745..3926, 4038..4213, 4338..4495		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99895	Strand	+
Start	65	End	4660
Name	OJ000117_02.0308.C7.o1.gp	Method	AAT/GAP
Start	992	End	3231
GI	41752_1.R1084	Score	998
Exons	992..1181, 1533..1614, 2092..2183, 2341..2418, 2512..2573, 3149..3231		
GI Descrip.	'6056388/gb|AAF02852.1|AC009324_1 2.0e-73 (AC009324) 26S proteasome ATPase subunit [Arabidopsis thaliana]'		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99895	Strand	+
Start	65	End	4660
Name	OJ000117_02.0308.C7.o1.np	Method	AAT/NAP
Start	1095	End	4492
GI	6056388	Score	1878
Exons	1095..1181, 1533..1614, 2092..2183, 2341..2418, 2512..2573, 3149..3293, 3418..3636, 3745..3926, 4038..4213, 4338..4492		
GI Descrip.	(AC009324) 26S proteasome ATPase subunit [Arabidopsis thaliana]		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99895	Strand	+
Start	65	End	4660
Name	OJ000117_02.0308.C7.o2.gp	Method	AAT/GAP
Start	3755	End	4660
GI	20896_1.R1084	Score	1185
Exons	3755..3926, 4038..4213, 4338..4660		
GI Descrip.	'2492519/sp|Q41365|PRS7_SPIOL 1.0e-71 26S PROTEASE REGULATORY SUBUNIT 7 (26S PROTEASOME SUBUNIT 7) >gi_1395191_dbj_BAA13021_ (D86121) 26S proteasome ATPase subunit [Spinacia oleracea]'		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99896	Strand	+
Start	6202	End	7443
Name	OJ000117_02.0308.C7.o2.gs	Method	GENSCAN
Start	6202	End	7443
GI	none	Score	.47
Exons	6202..7443		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99897	Strand	+
Start	14131	End	15517
Name	OJ000117_02.0308.C7.o5.gs	Method	GENSCAN

Start	14131	End	15517
GI	none	Score	.77
Exons	14131..14293, 14836..14947, 15352..15517		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99898	Strand	+
Start	20196	End	20483
Name	OJ000117_02.0308.C7.o7.gs	Method	GENSCAN
Start	20196	End	20483
GI	none	Score	.72
Exons	20196..20483		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99899	Strand	-
Start	7650	End	15162
Name	OJ000117_02.0308.C7.o3.gs	Method	GENSCAN
Start	7650	End	11350
GI	none	Score	.45
Exons	7650..7811, 7859..7896, 9355..9480, 11197..11350		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99899	Strand	-
Start	7650	End	15162
Name	OJ000117_02.0308.C7.o2.np	Method	AAT/NAP
Start	10955	End	15162
GI	7106512	Score	1037
Exons	10955..11089, 11262..11306, 11387..11569, 12152..12836, 12900..12991, 13558..15029, 15103..15162		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99899	Strand	-
Start	7650	End	15162
Name	OJ000117_02.0308.C7.o4.gs	Method	GENSCAN
Start	12041	End	13866
GI	none	Score	.43
Exons	12041..12367, 12396..12990, 13572..13783, 13789..13866		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99900	Strand	-
Start	17086	End	18631
Name	OJ000117_02.0308.C7.o6.gs	Method	GENSCAN
Start	17086	End	18631
GI	none	Score	.84
Exons	17086..17564, 17683..17940, 18307..18465, 18571..18631		

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99901	Strand	-
Start	22828	End	22933
Name	OJ000117_02.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	1092	End	4566
GI	none	Score	159
Exons	1092..1181, 1092..1181, 1532..1615, 1533..1616, 2090..2146, 2091..2198, 2335..2418, 2340..2417, 2494..2565, 2503..2574, 2511..2573, 3146..3289, 3147..3287, 3149..3295, 3150..3296, 3416..3532, 3417..3629, 3418..3639, 3427..3639, 3733..3927,		

3743..3937, 3744..3926, 4031..4213, 4036..4215, 4037..4213,
4291..4494, 4333..4488, 4334..4498, 4337..4495, 4540..4566

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99901	Strand	-
Start	22828	End	22933
Name	OJ000117_02.0308.C7.o1.ts	Method	TBLASTX:Soybean
Start	1092	End	4514
GI	none	Score	124

Exons 1092..1181, 1095..1181, 1532..1615, 1533..1616, 2090..2146,
2091..2198, 2335..2418, 2340..2417, 2503..2574, 2511..2573,
3150..3296, 3150..3287, 3151..3303, 3160..3288, 3206..3295,
3417..3635, 3418..3639, 3427..3642, 3587..3643, 3733..3927,
3742..3927, 4031..4213, 4035..4214, 4036..4215, 4318..4485,
4334..4513, 4337..4513, 4338..4514

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99901	Strand	-
Start	22828	End	22933
Name	OJ000117_02.0308.C7.o2.tc	Method	TBLASTX:Cress
Start	2518	End	3639
GI	none	Score	93

Exons 2518..2574, 2520..2573, 3147..3293, 3150..3296, 3151..3303,
3151..3294, 3206..3295, 3417..3563, 3417..3563, 3418..3567,
3565..3639, 3567..3623, 3571..3624

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99901	Strand	-
Start	22828	End	22933
Name	OJ000117_02.0308.C7.o1.tw	Method	TBLASTX:Wheat
Start	3459	End	3912
GI	none	Score	89

Exons 3459..3512, 3460..3516, 3504..3626, 3505..3639, 3745..3912,
3747..3884, 3766..3885

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99901	Strand	-
Start	22828	End	22933
Name	OJ000117_02.0308.C7.o1.tc	Method	TBLASTX:Cress
Start	3853	End	4500
GI	none	Score	101

Exons 3853..3921, 3853..3927, 3863..3940, 3879..3935, 4035..4211,
4036..4209, 4038..4214, 4039..4215, 4333..4500, 4334..4495,
4339..4500

Seq. No.	47004	Seq. ID	OJ000117_02.0308.C7
Gene No.	99901	Strand	-
Start	22828	End	22933
Name	OJ000117_02.0308.C7.o8.gs	Method	GENSCAN
Start	22828	End	22933
GI	none	Score	.44

Exons 22828..22887, 22904..22933

Seq. No.	47005	Seq. ID	OJ000117_02.0308.C8
Gene No.	99902	Strand	+
Start	81	End	1279
Name	OJ000117_02.0308.C8.o1.gs	Method	GENSCAN

Start	81	End	1279
GI	none	Score	.74
Exons	81..295, 765..1279		

Seq. No.	47005	Seq. ID	OJ000117_02.0308.C8
Gene No.	99903	Strand	+
Start	2207	End	6402
Name	OJ000117_02.0308.C8.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1174
GI	none	Score	259
Exons	1010..1174, 1024..1173		

Seq. No.	47005	Seq. ID	OJ000117_02.0308.C8
Gene No.	99903	Strand	+
Start	2207	End	6402
Name	OJ000117_02.0308.C8.o1.gp	Method	AAT/GAP
Start	1843	End	2131
GI	426253	Score	502
Exons	1843..2131		

Seq. No.	47005	Seq. ID	OJ000117_02.0308.C8
Gene No.	99903	Strand	+
Start	2207	End	6402
Name	OJ000117_02.0308.C8.o2.gs	Method	GENSCAN
Start	2207	End	6402
GI	none	Score	.79
Exons	2207..2382, 2657..2718, 2855..2958, 3226..4023, 5181..5357, 5511..5571, 5789..5873, 5960..6402		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99904	Strand	+
Start	602	End	5147
Name	OJ000117_02.0308.C9.o1.gs	Method	GENSCAN
Start	602	End	5147
GI	none	Score	.76
Exons	602..770, 1245..1364, 2105..2241, 2347..2470, 2638..2750, 3350..3461, 3770..3836, 3921..4041, 4439..4556, 4636..5147		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99905	Strand	+
Start	6870	End	12202
Name	OJ000117_02.0308.C9.o1.np	Method	AAT/NAP
Start	6870	End	10994
GI	5902445	Score	2341
Exons	6870..6923, 8414..9667, 9707..10994		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99905	Strand	+
Start	6870	End	12202
Name	OJ000117_02.0308.C9.o3.gs	Method	GENSCAN
Start	8021	End	12202
GI	none	Score	.44
Exons	8021..8116, 8414..8891, 8905..9529, 9608..10601, 10647..10980, 11113..11270, 11586..11693, 11698..11922, 11975..12202		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9

Gene No.	99906	Strand	+
Start	15120	End	16881
Name	OJ000117_02.0308.C9.o4.np	Method	AAT/NAP
Start	15120	End	16881
GI	7523517	Score	223
Exons	15120..15446, 16857..16881		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99907	Strand	+
Start	22278	End	22401
Name	OJ000117_02.0308.C9.o5.np	Method	AAT/NAP
Start	22278	End	22401
GI	7106528	Score	81
Exons	22278..22401		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99908	Strand	-
Start	6429	End	7384
Name	OJ000117_02.0308.C9.o2.gs	Method	GENSCAN
Start	6429	End	7384
GI	none	Score	.94
Exons	6429..6931, 7126..7384		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	2658	End	4751
GI	none	Score	147
Exons	2658..2753, 2659..2748, 2660..2755, 2660..2749, 3332..3469, 3349..3459, 3570..3680, 3573..3680, 3574..3681, 3768..3839, 3769..3840, 3911..4042, 3918..4043, 3919..4044, 4185..4280, 4194..4286, 4195..4290, 4280..4354, 4433..4552, 4437..4559, 4437..4526, 4438..4533, 4629..4751		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o2.ts	Method	TBLASTX:Soybean
Start	3347	End	3839
GI	none	Score	152
Exons	3347..3457, 3349..3459, 3571..3633, 3571..3633, 3628..3681, 3765..3839, 3768..3839		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o4.tm	Method	TBLASTX:Maize
Start	4983	End	5147
GI	none	Score	251
Exons	4983..5147, 4983..5144, 4984..5145, 4985..5146		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-

Start	12229	End	16263
Name	OJ000117_02.0308.C9.o1.tw	Method	TBLASTX:Wheat
Start	8420	End	8817
GI	none	Score	427
Exons	8420..8815, 8492..8653, 8503..8817		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	8447	End	8863
GI	none	Score	309
Exons	8447..8863, 8506..8631		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o3.tm	Method	TBLASTX:Maize
Start	8543	End	8965
GI	none	Score	247
Exons	8543..8794, 8563..8772, 8813..8887, 8815..8883, 8936..8965, 8937..8963		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o4.tw	Method	TBLASTX:Wheat
Start	8960	End	9368
GI	none	Score	198
Exons	8960..9187, 8961..9185, 9213..9368, 9224..9316		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o2.tm	Method	TBLASTX:Maize
Start	9870	End	10175
GI	none	Score	349
Exons	9870..10175, 9887..10174		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o3.tw	Method	TBLASTX:Wheat
Start	9870	End	10253
GI	none	Score	362
Exons	9870..10253, 9878..10252		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o2.tw	Method	TBLASTX:Wheat
Start	10389	End	10985
GI	none	Score	350
Exons	10389..10829, 10391..10480, 10526..10633, 10851..10985, 10859..10966		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9

Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o4.gs	Method	GENSCAN
Start	12229	End	16263
GI	none	Score	.68
Exons	12229..12382, 12518..12825, 12850..13464, 13494..13682, 13748..13875, 13952..14415, 15203..15275, 16221..16263		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o2.np	Method	AAT/NAP
Start	12517	End	13978
GI	6721561	Score	1088
Exons	12517..13282, 13366..13424, 13494..13682, 13910..13978		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47006	Seq. ID	OJ000117_02.0308.C9
Gene No.	99909	Strand	-
Start	12229	End	16263
Name	OJ000117_02.0308.C9.o3.np	Method	AAT/NAP
Start	12565	End	14672
GI	6721558	Score	221
Exons	12565..12627, 12689..12842, 13748..13873, 14574..14672		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47007	Seq. ID	OJ000117_02.0308.C10
Gene No.	99910	Strand	+
Start	517	End	3949
Name	OJ000117_02.0308.C10.o1.gs	Method	GENSCAN
Start	517	End	3939
GI	none	Score	.52
Exons	517..786, 2182..2384, 2706..2848, 3128..3259, 3520..3614, 3823..3939		

Seq. No.	47007	Seq. ID	OJ000117_02.0308.C10
Gene No.	99910	Strand	+
Start	517	End	3949
Name	OJ000117_02.0308.C10.o1.np	Method	AAT/NAP
Start	2078	End	3949
GI	5016095	Score	1126
Exons	2078..2098, 2182..2445, 2543..2629, 2719..2848, 3086..3259, 3477..3547, 3814..3949		
GI Descrip.	(AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]		

Seq. No.	47007	Seq. ID	OJ000117_02.0308.C10
Gene No.	99910	Strand	+
Start	517	End	3949
Name	OJ000117_02.0308.C10.o1.tc	Method	TBLASTX:Cress
Start	2125	End	3939

GI	none	Score	149
Exons	2125..2283, 2196..2288, 2202..2285, 2204..2287, 2302..2454, 2322..2441, 2326..2445, 2540..2632, 2549..2614, 2716..2850, 2718..2849, 2719..2853, 3087..3257, 3088..3267, 3115..3258, 3461..3550, 3475..3549, 3826..3939		

Seq. No.	47007	Seq. ID	OJ000117_02.0308.C10
Gene No.	99910	Strand	+
Start	517	End	3949
Name	OJ000117_02.0308.C10.o1.ts	Method	TBLASTX:Soybean
Start	2190	End	2626
GI	none	Score	144
Exons	2190..2282, 2194..2283, 2211..2294, 2308..2454, 2323..2445, 2325..2447, 2540..2626, 2540..2614, 2542..2625		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99911	Strand	+
Start	1	End	11065
Name	OJ000117_02.0308.C11.o1.np	Method	AAT/NAP
Start	1	End	8989
GI	5016095	Score	2594
Exons	1..33, 193..364, 732..828, 921..1084, 1672..1726, 1849..1989, 5044..5361, 5569..5649, 5905..5970, 6078..6195, 6372..6501, 6599..6678, 7013..7171, 7263..7521, 7976..8084, 8516..8677, 8771..8840, 8937..8989		
GI Descrip.	(AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99911	Strand	+
Start	1	End	11065
Name	OJ000117_02.0308.C11.o1.gs	Method	GENSCAN
Start	193	End	11065
GI	none	Score	.71
Exons	193..364, 1672..1726, 1849..1989, 3025..3381, 3426..3989, 5044..5361, 5569..5649, 6078..6195, 6372..6501, 6599..6678, 7013..7175, 7357..7521, 7976..8084, 8516..8677, 8771..8901, 10825..11065		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99911	Strand	+
Start	1	End	11065
Name	OJ000117_02.0308.C11.o1.gp	Method	AAT/GAP
Start	1060	End	5223
GI	uC-osflm202103h11b1	Score	687
Exons	1060..1084, 1672..1726, 1849..1989, 5044..5223		
GI Descrip.	'5016095/gb|AAC18622.2| 6.0e-56 (AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]'		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99911	Strand	+
Start	1	End	11065
Name	OJ000117_02.0308.C11.o2.gp	Method	AAT/GAP
Start	5897	End	6704
GI	2428005	Score	710
Exons	5897..5970, 6078..6195, 6372..6501, 6599..6704		

GI Descrip.	5016095/gb|AAC18622.2| 6.0e-56 (AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]		
Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99911	Strand	+
Start	1	End	11065
Name	OJ000117_02.0308.C11.o3.gp	Method	AAT/GAP
Start	7117	End	8626
GI	uC-osf1M202068b08b1	Score	957
Exons	7117..7171, 7263..7521, 7976..8084, 8516..8626		
GI Descrip.	'5016095/gb|AAC18622.2| 6.0e-71 (AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]'		
Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99911	Strand	+
Start	1	End	11065
Name	OJ000117_02.0308.C11.o4.np	Method	AAT/NAP
Start	10844	End	11044
GI	7488318	Score	45
Exons	10844..11044		
GI Descrip.	RNA-directed DNA polymerase homolog F21E10.5 - Arabidopsis thaliana gi|3047086|gb|AAC13599.1| (AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		
Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99912	Strand	-
Start	8348	End	10838
Name	OJ000117_02.0308.C11.o3.np	Method	AAT/NAP
Start	8348	End	10838
GI	7267526	Score	197
Exons	8348..8369, 9277..9305, 9994..10431, 10495..10838		
GI Descrip.	(AL161513) putative protein [Arabidopsis thaliana] gi|7321072|emb|CAB82119.1| (AL161813) putative protein [Arabidopsis thaliana]		
Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99913	Strand	-
Start	10964	End	12575
Name	OJ000117_02.0308.C11.o5.np	Method	AAT/NAP
Start	10964	End	12566
GI	5903055	Score	70
Exons	10964..10983, 12376..12566		
GI Descrip.	(AC008016) May be a pseudogene of F6D8.29. [Arabidopsis thaliana]		
Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99913	Strand	-
Start	10964	End	12575
Name	OJ000117_02.0308.C11.o2.gs	Method	GENSCAN
Start	11274	End	12575
GI	none	Score	.97
Exons	11274..12575		
Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11

Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o2.ts	Method	TBLASTX:Soybean
Start	188	End	943
GI	none	Score	254
Exons	188..367, 192..365, 192..368, 730..828, 732..830, 920..943, 920..943	197..367, 716..805, 729..827,	

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o1.tc	Method	TBLASTX:Cress
Start	191	End	8842
GI	none	Score	235
Exons	191..364, 192..365, 197..367, 919..1062, 920..1075, 921..1079, 1836..1991, 1849..1992, 5038..5118, 5054..5119, 5128..5172, 5205..5267, 5206..5298, 5317..5367, 5319..5360, 5566..5670, 5904..5972, 5929..5973, 6075..6194, 6080..6193, 6371..6499, 6371..6484, 6415..6501, 6597..6680, 6605..6691, 7012..7173, 7015..7179, 7261..7308, 7262..7381, 7487..7519, 7976..8095, 7977..8084, 8513..8680, 8569..8679, 8771..8839, 8771..8842	291..365, 730..828, 738..827,	

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o3.tm	Method	TBLASTX:Maize
Start	294	End	1996
GI	none	Score	107
Exons	294..356, 296..361, 296..358, 736..828, 918..1088, 919..1083, 921..1085, 1663..1728, 1669..1728, 1673..1735, 1848..1991, 1848..1991, 1849..1992, 1849..1995, 1853..1996	710..811, 735..827, 736..828,	

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o1.tm	Method	TBLASTX:Maize
Start	2806	End	8680
GI	none	Score	105
Exons	2806..2874, 5225..5362, 5234..5359, 5241..5360, 5242..5367, 5266..5367, 5470..5649, 5566..5670, 5568..5651, 5890..5970, 5903..5980, 6075..6212, 6080..6193, 6369..6494, 6371..6499, 6371..6499, 6412..6501, 6597..6683, 6599..6712, 6605..6679, 6976..7173, 7011..7172, 7012..7179, 7013..7180, 7261..7374, 7262..7381, 7262..7381, 7386..7523, 7388..7528, 7388..7522, 7919..8095, 7974..8084, 7978..8085, 8498..8680, 8551..8679		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o1.ts	Method	TBLASTX:Soybean
Start	6365	End	8839
GI	none	Score	67
Exons	6365..6499, 6369..6458, 6371..6499, 6403..6501, 6597..6683, 6598..6678, 6605..6712, 7011..7124, 7012..7140, 7128..7172, 7132..7173, 7262..7375, 7439..7519, 7977..8084, 8513..8608,		

8551..8607, 8594..8680, 8602..8679, 8770..8838, 8771..8839

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o1.tw	Method	TBLASTX:Wheat
Start	9895	End	10250
GI	none	Score	94
Exons	9895..10059, 10089..10250		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o2.tm	Method	TBLASTX:Maize
Start	9985	End	10452
GI	none	Score	52
Exons	9985..10053, 9986..10054, 10038..10445, 10074..10451, 10075..10452		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o2.tw	Method	TBLASTX:Wheat
Start	10350	End	10818
GI	none	Score	77
Exons	10350..10448, 10539..10793, 10552..10818		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o4.tm	Method	TBLASTX:Maize
Start	10494	End	10730
GI	none	Score	219
Exons	10494..10730		

Seq. No.	47008	Seq. ID	OJ000117_02.0308.C11
Gene No.	99914	Strand	-
Start	13288	End	13688
Name	OJ000117_02.0308.C11.o3.gs	Method	GENSCAN
Start	13288	End	13688
GI	none	Score	.83
Exons	13288..13395, 13587..13688		

Seq. No.	47009	Seq. ID	OJ000117_02.0308.C12
Gene No.	99915	Strand	+
Start	3947	End	5204
Name	OJ000117_02.0308.C12.o2.np	Method	AAT/NAP
Start	3947	End	5170
GI	6721558	Score	236
Exons	3947..4046, 4747..4888, 4972..5170		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47009	Seq. ID	OJ000117_02.0308.C12
Gene No.	99915	Strand	+
Start	3947	End	5204

Name	OJ000117_02.0308.C12.o3.np	Method	AAT/NAP
Start	4641	End	5204
GI	6721561	Score	136
Exons	4641..4709, 4937..5204		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47009	Seq. ID	OJ000117_02.0308.C12
Gene No.	99916	Strand	-
Start	2931	End	3500
Name	OJ000117_02.0308.C12.o1.np	Method	AAT/NAP
Start	2931	End	3500
GI	7523517	Score	225
Exons	2931..3040, 3191..3500		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47010	Seq. ID	OJ000117_02.0308.C13
Gene No.	99917	Strand	+
Start	1	End	1666
Name	OJ000117_02.0308.C13.o1.np	Method	AAT/NAP
Start	1	End	761
GI	6721561	Score	938
Exons	1..761		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47010	Seq. ID	OJ000117_02.0308.C13
Gene No.	99917	Strand	+
Start	1	End	1666
Name	OJ000117_02.0308.C13.o1.gs	Method	GENSCAN
Start	186	End	1666
GI	none	Score	.87
Exons	186..305, 375..760, 896..1020, 1152..1666		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99918	Strand	+
Start	6269	End	6613
Name	OJ000207_04.0317.C1.o2.gs	Method	GENSCAN
Start	6269	End	6613
GI	none	Score	.74
Exons	6269..6613		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99919	Strand	+
Start	7043	End	13654
Name	OJ000207_04.0317.C1.o3.gs	Method	GENSCAN
Start	7043	End	10505
GI	none	Score	.75
Exons	7043..7090, 7501..7637, 7653..8305, 8459..9866, 9941..10505		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1

Gene No.	99919	Strand	+
Start	7043	End	13654
Name	OJ000207_04.0317.C1.o1.np	Method	AAT/NAP
Start	7588	End	13654
GI	5922631	Score	6607
Exons	7588..7712, 7971..8215, 8474..8673, 8719..9300, 9343..9493, 9620..10523, 11129..13654		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99919	Strand	+
Start	7043	End	13654
Name	OJ000207_04.0317.C1.o4.gs	Method	GENSCAN
Start	10813	End	11601
GI	none	Score	.71
Exons	10813..11601		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99920	Strand	+
Start	21902	End	22491
Name	OJ000207_04.0317.C1.o3.np	Method	AAT/NAP
Start	21902	End	22491
GI	6907092	Score	492
Exons	21902..22188, 22244..22285, 22355..22491		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99921	Strand	+
Start	27169	End	29652
Name	OJ000207_04.0317.C1.o9.gs	Method	GENSCAN
Start	27169	End	29652
GI	none	Score	.46
Exons	27169..27229, 27427..27592, 28592..28791, 29049..29159, 29594..29652		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99921	Strand	+
Start	27169	End	29652
Name	OJ000207_04.0317.C1.o5.np	Method	AAT/NAP
Start	28204	End	29651
GI	4585884	Score	490
Exons	28204..28950, 29049..29382, 29532..29651		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99922	Strand	-
Start	3806	End	4552
Name	OJ000207_04.0317.C1.o1.gs	Method	GENSCAN
Start	3806	End	4552
GI	none	Score	.88
Exons	3806..4552		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99923	Strand	-
Start	14023	End	19073
Name	OJ000207_04.0317.C1.o6.gs	Method	GENSCAN
Start	14023	End	19073
GI	none	Score	.88
Exons	14023..14474, 14737..14914, 14989..15176, 15254..15612, 15695..15864, 16070..16396, 16859..16967, 19018..19073		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99923	Strand	-
Start	14023	End	19073
Name	OJ000207_04.0317.C1.o2.np	Method	AAT/NAP
Start	14035	End	16954
GI	6691716	Score	2573
Exons	14035..14474, 14549..14664, 14814..14914, 14989..15176, 15254..15435, 15512..15612, 15695..15889, 16079..16954		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99924	Strand	-
Start	21811	End	25760
Name	OJ000207_04.0317.C1.o8.gs	Method	GENSCAN
Start	21811	End	25760
GI	none	Score	.5
Exons	21811..22038, 22055..22120, 22131..22474, 25079..25526, 25623..25760		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99924	Strand	-
Start	21811	End	25760
Name	OJ000207_04.0317.C1.o1.gp	Method	AAT/GAP
Start	24112	End	24546
GI	2428185	Score	656
Exons	24112..24546		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99924	Strand	-
Start	21811	End	25760
Name	OJ000207_04.0317.C1.o4.np	Method	AAT/NAP
Start	24681	End	25582
GI	5852178	Score	495
Exons	24681..24776, 25139..25242, 25274..25582		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	3816	End	4243
GI	none	Score	80
Exons	3816..3947, 3818..3958, 4001..4096, 4097..4243		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o1.tc	Method	TBLASTX:Cress
Start	3824	End	4240
GI	none	Score	70
Exons	3824..3877, 3878..3958, 3879..4016, 4001..4084, 4085..4240		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o9.tw	Method	TBLASTX:Wheat
Start	8904	End	9306
GI	none	Score	287
Exons	8904..8966, 8905..9306		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o5.tw	Method	TBLASTX:Wheat
Start	9820	End	28955
GI	none	Score	59
Exons	9820..9882, 28584..28664, 28668..28952, 28706..28951, 28710..28955		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o7.tw	Method	TBLASTX:Wheat
Start	9948	End	10289
GI	none	Score	319
Exons	9948..10289, 10040..10282		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o4.tw	Method	TBLASTX:Wheat
Start	10505	End	10863
GI	none	Score	312
Exons	10505..10807, 10519..10863, 10792..10863		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o6.tm	Method	TBLASTX:Maize
Start	10711	End	11025
GI	none	Score	251
Exons	10711..10806, 10798..11025, 10800..10901		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o1.tw	Method	TBLASTX:Wheat
Start	10894	End	11313
GI	none	Score	443
Exons	10894..11313, 10906..11109, 10941..11312		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o2.ts	Method	TBLASTX:Soybean
Start	11158	End	11589
GI	none	Score	287
Exons	11158..11589, 11200..11349, 11205..11555		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o2.tm	Method	TBLASTX:Maize
Start	11256	End	11676
GI	none	Score	287
Exons	11256..11516, 11257..11517, 11533..11676		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o8.tw	Method	TBLASTX:Wheat
Start	11355	End	11688
GI	none	Score	299
Exons	11355..11687, 11359..11688		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o3.tw	Method	TBLASTX:Wheat
Start	11697	End	12105
GI	none	Score	254
Exons	11697..11942, 11698..11928, 11958..12104, 11959..12105		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o4.ts	Method	TBLASTX:Soybean
Start	11815	End	12203
GI	none	Score	88
Exons	11815..11919, 11823..11918, 11955..12203, 11959..12201		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o9.tm	Method	TBLASTX:Maize
Start	11878	End	12147
GI	none	Score	120
Exons	11878..12048, 11878..11982, 11958..12047, 12052..12147, 12069..12140		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o12.tw	Method	TBLASTX:Wheat
Start	12106	End	12396
GI	none	Score	262
Exons	12106..12396, 12114..12245, 12154..12390		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	12558	End	12884
GI	none	Score	403
Exons	12558..12884, 12559..12867		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o6.tw	Method	TBLASTX:Wheat
Start	12565	End	12951
GI	none	Score	327
Exons	12565..12876, 12588..12875, 12898..12951, 12917..12949		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o2.tw	Method	TBLASTX:Wheat
Start	13064	End	13678
GI	none	Score	342
Exons	13064..13555, 13084..13152, 13219..13347, 13541..13678		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o8.tm	Method	TBLASTX:Maize
Start	13385	End	13639
GI	none	Score	138
Exons	13385..13558, 13438..13557, 13537..13638, 13538..13639		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o13.tw	Method	TBLASTX:Wheat
Start	16544	End	16861
GI	none	Score	203
Exons	16544..16861		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o7.tm	Method	TBLASTX:Maize
Start	28467	End	28913
GI	none	Score	94
Exons	28467..28646, 28650..28913		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o5.ts	Method	TBLASTX:Soybean
Start	29023	End	29346
GI	none	Score	132
Exons	29023..29124, 29024..29137, 29164..29346		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o5.tm	Method	TBLASTX:Maize
Start	29042	End	29403
GI	none	Score	132
Exons	29042..29170, 29050..29160, 29164..29403, 29185..29385		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o10.gs	Method	GENSCAN
Start	30840	End	33590
GI	none	Score	.81
Exons	30840..30931, 31143..31345, 32521..32540, 33449..33590		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o10.tw	Method	TBLASTX:Wheat
Start	32757	End	33119
GI	none	Score	66
Exons	32757..32918, 32760..33119		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o4.tm	Method	TBLASTX:Maize
Start	32850	End	33320
GI	none	Score	87
Exons	32850..32939, 32949..33320, 33120..33314		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o11.tw	Method	TBLASTX:Wheat
Start	33219	End	33769
GI	none	Score	82
Exons	33219..33317, 33407..33769, 33504..33674		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o3.ts	Method	TBLASTX:Soybean
Start	33350	End	33922
GI	none	Score	71
Exons	33350..33391, 33392..33577, 33566..33793, 33567..33677, 33863..33922		

Seq. No.	47011	Seq. ID	OJ000207_04.0317.C1
Gene No.	99925	Strand	-
Start	30840	End	33922
Name	OJ000207_04.0317.C1.o3.tm	Method	TBLASTX:Maize
Start	33522	End	33824
GI	none	Score	130
Exons	33522..33674, 33542..33823, 33560..33814, 33601..33816, 33735..33824		

Seq. No.	47012	Seq. ID	OJ000207_04.0317.C3
Gene No.	99926	Strand	+
Start	4026	End	8259
Name	OJ000207_04.0317.C3.o3.gs	Method	GENSCAN
Start	4026	End	8259
GI	none	Score	.56
Exons	4026..4264, 5797..5860, 6556..6753, 7432..7537, 7619..7771, 8201..8259		

Seq. No.	47012	Seq. ID	OJ000207_04.0317.C3
Gene No.	99927	Strand	-
Start	1	End	2254
Name	OJ000207_04.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	2254
GI	4335720	Score	90
Exons	1..212, 2211..2254		
GI Descrip.	(AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47012	Seq. ID	OJ000207_04.0317.C3
Gene No.	99927	Strand	-
Start	1	End	2254
Name	OJ000207_04.0317.C3.o2.tw	Method	TBLASTX:Wheat
Start	205	End	454
GI	none	Score	53
Exons	205..276, 213..275, 254..340, 271..339, 344..454		

Seq. No.	47012	Seq. ID	OJ000207_04.0317.C3
Gene No.	99927	Strand	-
Start	1	End	2254
Name	OJ000207_04.0317.C3.o1.gs	Method	GENSCAN
Start	268	End	603
GI	none	Score	.91
Exons	268..603		

Seq. No.	47012	Seq. ID	OJ000207_04.0317.C3
Gene No.	99927	Strand	-
Start	1	End	2254
Name	OJ000207_04.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	774	End	1138
GI	none	Score	55
Exons	774..833, 781..834, 814..1014, 842..904, 1023..1124, 1025..1138		

Seq. No.	47012	Seq. ID	OJ000207_04.0317.C3
Gene No.	99927	Strand	-
Start	1	End	2254
Name	OJ000207_04.0317.C3.o2.gs	Method	GENSCAN
Start	1339	End	1928
GI	none	Score	.65
Exons	1339..1851, 1875..1928		

Seq. No.	47013	Seq. ID	OJ000207_04.0317.C4
Gene No.	99928	Strand	+
Start	420	End	1027
Name	OJ000207_04.0317.C4.o1.gs	Method	GENSCAN
Start	420	End	1027

GI	none	Score	.92
Exons	420..423, 852..1027		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99929	Strand	+
Start	702	End	949
Name	OJ000207_04.0317.C8.o1.gs	Method	GENSCAN
Start	702	End	880
GI	none	Score	.96
Exons	702..880		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99929	Strand	+
Start	702	End	949
Name	OJ000207_04.0317.C8.o1.gp	Method	AAT/GAP
Start	775	End	949
GI	10431_1.R1084	Score	288
Exons	775..949		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99930	Strand	+
Start	7115	End	9806
Name	OJ000207_04.0317.C8.o3.gs	Method	GENSCAN
Start	7115	End	9806
GI	none	Score	.81
Exons	7115..7222, 7856..8045, 8101..8739, 8998..9130, 9185..9806		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99930	Strand	+
Start	7115	End	9806
Name	OJ000207_04.0317.C8.o1.np	Method	AAT/NAP
Start	7826	End	9797
GI	4588001	Score	767
Exons	7826..8228, 8286..8621, 8998..9130, 9229..9797		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana]		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99931	Strand	-
Start	2373	End	4094
Name	OJ000207_04.0317.C8.o2.gs	Method	GENSCAN
Start	2373	End	4094
GI	none	Score	.86
Exons	2373..2519, 3245..3303, 3919..4025, 4048..4094		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o7.tm	Method	TBLASTX:Maize
Start	1192	End	1984
GI	none	Score	89
Exons	1192..1290, 1193..1345, 1205..1315, 1214..1306, 1217..1309, 1344..1442, 1358..1450, 1454..1546, 1454..1519, 1454..1546, 1507..1599, 1508..1600, 1535..1687, 1536..1688, 1538..1687, 1538..1702, 1550..1702, 1581..1667, 1584..1703, 1584..1703,		

1584..1607, 1586..1681, 1588..1689, 1588..1713, 1591..1713,
1708..1851, 1735..1839, 1738..1848, 1744..1851, 1744..1857,
1856..1978, 1859..1984, 1901..1978

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o4.tm	Method	TBLASTX:Maize
Start	8346	End	9269
GI	none	Score	37
Exons	8346..8369, 8358..8633, 8381..8620, 8994..9134, 8995..9129, 8997..9131, 9231..9269		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o4.tc	Method	TBLASTX:Cress
Start	8361	End	8624
GI	none	Score	251
Exons	8361..8624, 8381..8593		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o4.ts	Method	TBLASTX:Soybean
Start	8367	End	8632
GI	none	Score	278
Exons	8367..8624, 8381..8632		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o2.tc	Method	TBLASTX:Cress
Start	8973	End	9392
GI	none	Score	79
Exons	8973..9116, 8994..9125, 8995..9129, 9230..9391, 9231..9392		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o3.ts	Method	TBLASTX:Soybean
Start	9021	End	9797
GI	none	Score	192
Exons	9021..9125, 9022..9129, 9230..9403, 9231..9401, 9606..9797, 9608..9796		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o3.tw	Method	TBLASTX:Wheat
Start	9489	End	9806
GI	none	Score	87
Exons	9489..9599, 9588..9806, 9608..9805, 9699..9806		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491

Name	OJ000207_04.0317.C8.o6.tm	Method	TBLASTX:Maize
Start	9602	End	9800
GI	none	Score	226
Exons	9602..9787, 9603..9800		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o2.gp	Method	AAT/GAP
Start	10516	End	13483
GI	47_1.R1084	Score	5659
Exons	10516..10966, 11064..13483		
GI Descrip.	'3983663/dbj|BAA34861| 0.0e+00 (AB011270) importin-beta1 [Oryza sativa]'		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o2.tw	Method	TBLASTX:Wheat
Start	10764	End	11185
GI	none	Score	129
Exons	10764..10967, 10771..10968, 10773..10970, 10778..10969, 11048..11182, 11061..11183, 11063..11185, 11064..11183		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o2.np	Method	AAT/NAP
Start	10774	End	13472
GI	3983663	Score	4299
Exons	10774..10966, 11064..13472		
GI Descrip.	(AB011270) importin-beta1 [Oryza sativa]		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	10825	End	12318
GI	none	Score	118
Exons	10825..10965, 11069..11137, 11138..11389, 11141..11389, 11390..11593, 11391..11594, 11392..11700, 11399..11665, 11689..11763, 11702..11764, 11863..12222, 11875..12222, 11975..12226, 12014..12226, 12232..12318		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	10831	End	12093
GI	none	Score	70
Exons	10831..10965, 10907..10969, 11069..11137, 11138..11389, 11141..11389, 11253..11390, 11392..11670, 11397..11594, 11399..11665, 11686..11856, 11702..11833, 11866..11997, 11995..12093, 11996..12085, 12016..12093		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-

Start	10516	End	13491
Name	OJ000207_04.0317.C8.o3.tc	Method	TBLASTX:Cress
Start	11452	End	11931
GI	none	Score	130
Exons	11452..11664, 11459..11644, 11701..11832, 11717..11740, 11875..11931		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	12094	End	12439
GI	none	Score	416
Exons	12094..12438, 12095..12439		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o2.ts	Method	TBLASTX:Soybean
Start	12319	End	12989
GI	none	Score	121
Exons	12319..12546, 12320..12451, 12431..12547, 12441..12485, 12550..12621, 12624..12989, 12624..12989		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	12388	End	12774
GI	none	Score	153
Exons	12388..12621, 12391..12543, 12420..12623, 12623..12772, 12624..12773, 12624..12773, 12679..12774		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	12440	End	12975
GI	none	Score	206
Exons	12440..12622, 12441..12641, 12623..12874, 12624..12974, 12624..12974, 12679..12975		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o5.ts	Method	TBLASTX:Soybean
Start	12990	End	13244
GI	none	Score	52
Exons	12990..13043, 12991..13047, 13041..13244, 13081..13236		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	13056	End	13479
GI	none	Score	115
Exons	13056..13475, 13057..13239, 13221..13472, 13297..13479		

Seq. No.	47014	Seq. ID	OJ000207_04.0317.C8
Gene No.	99932	Strand	-
Start	10516	End	13491
Name	OJ000207_04.0317.C8.o5.tm	Method	TBLASTX:Maize
Start	13239	End	13491
GI	none	Score	108
Exons	13239..13487, 13266..13487, 13288..13491, 13378..13488		

Seq. No.	47015	Seq. ID	OJ000207_04.0317.C9
Gene No.	99933	Strand	+
Start	59	End	1009
Name	OJ000207_04.0317.C9.o1.gs	Method	GENSCAN
Start	59	End	1009
GI	none	Score	.78
Exons	59..272, 365..469, 933..1009		

Seq. No.	47015	Seq. ID	OJ000207_04.0317.C9
Gene No.	99934	Strand	-
Start	1	End	275
Name	OJ000207_04.0317.C9.o1.gp	Method	AAT/GAP
Start	1	End	275
GI	47_1.R1084	Score	465
Exons	1..275		
GI Descrip.	'3983663/dbj|BAA34861| 0.0e+00 (AB011270) importin-beta1 [Oryza sativa]'		

Seq. No.	47015	Seq. ID	OJ000207_04.0317.C9
Gene No.	99935	Strand	-
Start	1856	End	2508
Name	OJ000207_04.0317.C9.o1.np	Method	AAT/NAP
Start	1203	End	2508
GI	6815099	Score	81
Exons	1203..1344, 2486..2508		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47015	Seq. ID	OJ000207_04.0317.C9
Gene No.	99935	Strand	-
Start	1856	End	2508
Name	OJ000207_04.0317.C9.o2.gs	Method	GENSCAN
Start	1856	End	2345
GI	none	Score	.63
Exons	1856..1965, 2321..2345		

Seq. No.	47016	Seq. ID	OJ000207_04.0317.C10
Gene No.	99936	Strand	+
Start	269	End	409
Name	OJ000207_04.0317.C10.o1.gp	Method	AAT/GAP
Start	269	End	409
GI	uC-osflcyp022c06b2	Score	239
Exons	269..409		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	47016	Seq. ID	OJ000207_04.0317.C10
Gene No.	99937	Strand	-
Start	1090	End	1740

Name	OJ000207_04.0317.C10.o2.gp	Method	AAT/GAP
Start	702	End	1157
GI	LIB3432-032-P2-K1-E12	Score	867
Exons	702..1157		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	47016	Seq. ID	OJ000207_04.0317.C10
Gene No.	99937	Strand	-
Start	1090	End	1740
Name	OJ000207_04.0317.C10.o1.gs	Method	GENSCAN
Start	1090	End	1431
GI	none	Score	.81
Exons	1090..1431		

Seq. No.	47016	Seq. ID	OJ000207_04.0317.C10
Gene No.	99937	Strand	-
Start	1090	End	1740
Name	OJ000207_04.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	1094	End	1450
GI	none	Score	196
Exons	1094..1450, 1107..1367, 1114..1449, 1145..1450		

Seq. No.	47016	Seq. ID	OJ000207_04.0317.C10
Gene No.	99937	Strand	-
Start	1090	End	1740
Name	OJ000207_04.0317.C10.o1.np	Method	AAT/NAP
Start	1170	End	1740
GI	7445541	Score	305
Exons	1170..1740		
GI Descrip.	hypothetical protein T27E13.16 - Arabidopsis thaliana gi|3150410|gb|AAC16962.1| (AC004165) putative leucine-rich repeat protein [Arabidopsis thaliana]		

Seq. No.	47016	Seq. ID	OJ000207_04.0317.C10
Gene No.	99937	Strand	-
Start	1090	End	1740
Name	OJ000207_04.0317.C10.o1.tc	Method	TBLASTX:Cress
Start	1174	End	1489
GI	none	Score	107
Exons	1174..1206, 1225..1488, 1243..1482, 1244..1489		

Seq. No.	47016	Seq. ID	OJ000207_04.0317.C10
Gene No.	99937	Strand	-
Start	1090	End	1740
Name	OJ000207_04.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	1199	End	1491
GI	none	Score	393
Exons	1199..1489, 1201..1491, 1204..1491		

Seq. No.	47017	Seq. ID	OJ000207_04.0317.C12
Gene No.	99938	Strand	+
Start	607	End	2888
Name	OJ000207_04.0317.C12.o1.gs	Method	GENSCAN
Start	607	End	2888
GI	none	Score	.54
Exons	607..678, 1514..1597, 1872..1943, 2795..2888		

Seq. No.	47018	Seq. ID	OJ000217_06.0317.C2
Gene No.	99939	Strand	+
Start	1	End	1413
Name	OJ000217_06.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	5231113	Score	425
Exons	1..214, 1093..1413		
GI Descrip.	(AF141202) EIN2 [Arabidopsis thaliana] gi|5231115|gb|AAD41077.1|AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]		

Seq. No.	47018	Seq. ID	OJ000217_06.0317.C2
Gene No.	99939	Strand	+
Start	1	End	1413
Name	OJ000217_06.0317.C2.o1.gs	Method	GENSCAN
Start	56	End	1365
GI	none	Score	.8
Exons	56..214, 1093..1365		

Seq. No.	47018	Seq. ID	OJ000217_06.0317.C2
Gene No.	99940	Strand	-
Start	3008	End	3301
Name	OJ000217_06.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	32	End	1347
GI	none	Score	225
Exons	32..214, 65..238, 67..240, 1090..1155, 1093..1155, 1150..1347, 1167..1346		

Seq. No.	47018	Seq. ID	OJ000217_06.0317.C2
Gene No.	99940	Strand	-
Start	3008	End	3301
Name	OJ000217_06.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	56	End	1166
GI	none	Score	241
Exons	56..214, 64..210, 1086..1166, 1093..1158		

Seq. No.	47018	Seq. ID	OJ000217_06.0317.C2
Gene No.	99940	Strand	-
Start	3008	End	3301
Name	OJ000217_06.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	1150	End	1347
GI	none	Score	247
Exons	1150..1347, 1161..1346		

Seq. No.	47018	Seq. ID	OJ000217_06.0317.C2
Gene No.	99940	Strand	-
Start	3008	End	3301
Name	OJ000217_06.0317.C2.o2.gs	Method	GENSCAN
Start	3008	End	3301
GI	none	Score	.57
Exons	3008..3301		

Seq. No.	47019	Seq. ID	OJ000217_06.0317.C3
Gene No.	99941	Strand	+
Start	1573	End	1698
Name	OJ000217_06.0317.C3.o1.np	Method	AAT/NAP

Start	1573	End	1698
GI	6815099	Score	71
Exons	1573..1698		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47019	Seq. ID	OJ000217_06.0317.C3
Gene No.	99942	Strand	-
Start	783	End	1114
Name	OJ000217_06.0317.C3.o1.gs	Method	GENSCAN
Start	783	End	1114
GI	none	Score	.52
Exons	783..866, 1061..1114		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	3544
GI	4504909	Score	785
Exons	1..1146, 1914..2040, 2104..2169, 2244..2408, 2578..2652, 2736..2924, 3172..3276, 3361..3430, 3509..3544		
GI Descrip.	karyopherin (importin) beta 3 gi|2102696 (U72761) karyopherin beta 3 [Homo sapiens]		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o1.gs	Method	GENSCAN
Start	85	End	3276
GI	none	Score	.46
Exons	85..1011, 2104..2169, 2244..2408, 2578..2652, 2814..2890, 3141..3276		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	337	End	573
GI	none	Score	188
Exons	337..525, 340..501, 504..560, 505..573		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	466	End	723
GI	none	Score	328
Exons	466..723, 498..686		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	744	End	1046
GI	none	Score	468
Exons	744..1046, 745..1044, 765..1046		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	987	End	2378
GI	none	Score	86
Exons	987..1148, 987..1148, 988..1149, 1019..1177, 1019..1165, 1862..2005, 1905..2018, 1908..2018, 1912..2019, 2025..2165, 2091..2162, 2241..2378, 2241..2375, 2243..2377		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o1.gp	Method	AAT/GAP
Start	1079	End	3254
GI	39325_1.R1084	Score	1308
Exons	1079..1146, 1914..2018, 2104..2169, 2244..2408, 2578..2652, 2736..2890, 3141..3254		
GI Descrip.	'4504909/ref|NP_002262.1|pKPNB3| 2.0e-49 karyopherin (importin) beta 3 >gi_2102696 (U72761) karyopherin beta 3 [Homo sapiens]'		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o3.tc	Method	TBLASTX:Cress
Start	2115	End	2909
GI	none	Score	47
Exons	2115..2153, 2115..2165, 2249..2413, 2250..2408, 2570..2656, 2572..2646, 2577..2663, 2578..2667, 2726..2851, 2733..2885, 2736..2909		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	2276	End	2909
GI	none	Score	188
Exons	2276..2413, 2277..2408, 2290..2412, 2295..2414, 2570..2656, 2575..2652, 2577..2663, 2578..2667, 2722..2790, 2726..2851, 2727..2888, 2734..2889, 2736..2909		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	2564	End	2888
GI	none	Score	62
Exons	2564..2656, 2575..2646, 2577..2663, 2578..2667, 2726..2851, 2736..2888		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o2.tc	Method	TBLASTX:Cress
Start	3138	End	3543
GI	none	Score	235
Exons	3138..3290, 3139..3279, 3358..3435, 3358..3429, 3507..3542,		

3508..3543

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	3138	End	3543
GI	none	Score	233
Exons	3138..3290, 3139..3279, 3358..3435, 3360..3425, 3507..3542, 3508..3543		

Seq. No.	47020	Seq. ID	OJ000217_06.0317.C4
Gene No.	99943	Strand	+
Start	1	End	3544
Name	OJ000217_06.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	3138	End	3410
GI	none	Score	226
Exons	3138..3275, 3139..3273, 3139..3279, 3147..3275, 3197..3280, 3363..3410, 3364..3405		

Seq. No.	47021	Seq. ID	OJ000217_06.0317.C5
Gene No.	99944	Strand	+
Start	1	End	1604
Name	OJ000217_06.0317.C5.o1.gp	Method	AAT/GAP
Start	1	End	1604
GI	13340_1.R1084	Score	580
Exons	1..84, 550..641, 781..847, 1522..1604		
GI Descrip.	'4504909/ref|NP_002262.1|pKPNB3| 3.0e-39 karyopherin (importin) beta 3 >gi_2102696 (U72761) karyopherin beta 3 [Homo sapiens]'		

Seq. No.	47021	Seq. ID	OJ000217_06.0317.C5
Gene No.	99945	Strand	-
Start	1575	End	2014
Name	OJ000217_06.0317.C5.o2.gp	Method	AAT/GAP
Start	1575	End	2014
GI	2310191	Score	765
Exons	1575..2014		

Seq. No.	47021	Seq. ID	OJ000217_06.0317.C5
Gene No.	99946	Strand	-
Start	2146	End	2273
Name	OJ000217_06.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	573	End	1688
GI	none	Score	84
Exons	573..716, 574..642, 779..850, 1504..1632, 1506..1688, 1631..1687		

Seq. No.	47021	Seq. ID	OJ000217_06.0317.C5
Gene No.	99946	Strand	-
Start	2146	End	2273
Name	OJ000217_06.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	584	End	2004
GI	none	Score	86
Exons	584..643, 586..642, 774..842, 779..850, 785..850, 1504..1632, 1519..1602, 1520..1690, 1521..1688, 1776..1844, 1777..1842, 1939..2004, 1940..2002		

Seq. No.	47021	Seq. ID	OJ000217_06.0317.C5

Gene No.	99946	Strand	-
Start	2146	End	2273
Name	OJ000217_06.0317.C5.o2.gs	Method	GENSCAN
Start	2146	End	2273
GI	none	Score	.88
Exons	2146..2273		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99947	Strand	+
Start	5541	End	11548
Name	OJ000217_06.0317.C6.o1.gp	Method	AAT/GAP
Start	5471	End	6581
GI	17812_1.R1084	Score	1152
Exons	5471..5589, 5708..5871, 6003..6040, 6179..6266, 6356..6581		
GI Descrip.	'4263704/gb|AAD15390| 1.0e-40 (AC006223) putative sugar starvation-induced protein [Arabidopsis thaliana]'		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99947	Strand	+
Start	5541	End	11548
Name	OJ000217_06.0317.C6.o2.gs	Method	GENSCAN
Start	5541	End	11548
GI	none	Score	.53
Exons	5541..5589, 5708..5871, 6003..6040, 6179..6266, 6356..6580, 7103..7168, 8182..8366, 9631..9731, 10990..11165, 11350..11507, 11539..11548		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99948	Strand	+
Start	14538	End	16841
Name	OJ000217_06.0317.C6.o1.np	Method	AAT/NAP
Start	14538	End	16841
GI	4558664	Score	1033
Exons	14538..14735, 14841..15196, 15293..16716, 16753..16841		
GI Descrip.	(AC007063) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99949	Strand	+
Start	22571	End	23059
Name	OJ000217_06.0317.C6.o4.gp	Method	AAT/GAP
Start	22571	End	23059
GI	none	Score	954
Exons	22571..23059		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99950	Strand	-
Start	1585	End	4119
Name	OJ000217_06.0317.C6.o1.gs	Method	GENSCAN
Start	1585	End	4119
GI	none	Score	.72
Exons	1585..1977, 2684..2710, 3199..4119		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99951	Strand	-
Start	8323	End	8608
Name	OJ000217_06.0317.C6.o2.gp	Method	AAT/GAP
Start	8323	End	8608

GI	none	Score	572
Exons	8323..8608		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99952	Strand	-
Start	17503	End	17937
Name	OJ000217_06.0317.C6.o3.gp	Method	AAT/GAP
Start	17503	End	17937
GI	90742_1.R1084	Score	105
Exons	17503..17534, 17857..17937		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99953	Strand	-
Start	22807	End	23646
Name	OJ000217_06.0317.C6.o4.gs	Method	GENSCAN
Start	22807	End	23646
GI	none	Score	1
Exons	22807..23646		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99953	Strand	-
Start	22807	End	23646
Name	OJ000217_06.0317.C6.o2.np	Method	AAT/NAP
Start	22820	End	23640
GI	6437542	Score	629
Exons	22820..23640		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	1582	End	3393
GI	none	Score	522
Exons	1582..1980, 1586..1975, 1885..1980, 3187..3390, 3199..3264, 3200..3283, 3301..3393		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o3.tc	Method	TBLASTX:Cress
Start	1633	End	1884
GI	none	Score	241
Exons	1633..1884, 1637..1882		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	1660	End	3306
GI	none	Score	333
Exons	1660..1980, 1661..1975, 1672..1980, 3196..3306, 3197..3286		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-

Start	26242	End	32680
Name	OJ000217_06.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	1765	End	3384
GI	none	Score	181
Exons	1765..1980, 1766..1975, 3196..3384, 3197..3286		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o4.tm	Method	TBLASTX:Maize
Start	5522	End	8388
GI	none	Score	36
Exons	5522..5587, 5568..5585, 5706..5786, 5707..5832, 5719..5871, 5724..5870, 5996..6049, 6003..6038, 6007..6054, 6165..6269, 6176..6262, 6222..6266, 6339..6470, 6356..6475, 6356..6475, 6361..6477, 6476..6580, 6491..6583, 6537..6587, 7103..7171, 7103..7168, 8181..8267, 8182..8277, 8182..8268, 8268..8357, 8269..8358, 8339..8362, 8352..8369, 8353..8388		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o3.ts	Method	TBLASTX:Soybean
Start	5719	End	8265
GI	none	Score	96
Exons	5719..5874, 6000..6038, 6165..6269, 6356..6418, 6416..6460, 6494..6583, 8209..8265		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o4.tc	Method	TBLASTX:Cress
Start	5719	End	8265
GI	none	Score	114
Exons	5719..5874, 6000..6038, 6165..6269, 6356..6418, 6416..6460, 6488..6559, 7103..7171, 8182..8265		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o9.tm	Method	TBLASTX:Maize
Start	11974	End	12167
GI	none	Score	190
Exons	11974..12135, 11981..12133, 11988..12146, 12030..12167		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	14808	End	16718
GI	none	Score	92
Exons	14808..14969, 14849..14971, 15000..15182, 15000..15281, 15029..15175, 15192..15341, 15210..15377, 15216..15341, 15360..15773, 15477..15779, 15486..15773, 15702..15977, 15705..15902, 15705..15878, 15770..15877, 15783..16181, 15885..16274, 15945..16214, 15947..16273, 15981..16079, 16266..16718, 16269..16370		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	14808	End	16391
GI	none	Score	58
Exons	14808..14918, 14835..14969, 14934..15140, 15233..15265, 15234..15383, 15315..15410, 15327..15713, 15377..15559, 15558..15710, 15630..15773, 15743..16099, 15747..16109, 16026..16391		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	14835	End	16274
GI	none	Score	182
Exons	14835..15194, 15093..15197, 15213..15773, 15294..15470, 15504..16169, 15711..15884, 15731..16207, 15891..16169, 15951..16160, 15993..16238, 16176..16274		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o4.ts	Method	TBLASTX:Soybean
Start	14934	End	16190
GI	none	Score	104
Exons	14934..15191, 15330..15710, 15422..15691, 15726..16130, 15785..16039, 16029..16190		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	16191	End	16709
GI	none	Score	61
Exons	16191..16277, 16257..16709		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o5.tc	Method	TBLASTX:Cress
Start	16287	End	16703
GI	none	Score	234
Exons	16287..16703, 16391..16609		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o8.tm	Method	TBLASTX:Maize
Start	20722	End	20908
GI	none	Score	208
Exons	20722..20907, 20723..20908		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-

Start	26242	End	32680
Name	OJ000217_06.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	22870	End	23305
GI	none	Score	143
Exons	22870..23304, 22898..23038, 23087..23305		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o2.tc	Method	TBLASTX:Cress
Start	22870	End	23604
GI	none	Score	45
Exons	22870..23046, 22898..23038, 23053..23199, 23087..23200, 23242..23304, 23264..23302, 23372..23599, 23452..23604		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o5.gs	Method	GENSCAN
Start	26242	End	32671
GI	none	Score	.41
Exons	26242..26937, 28372..28399, 28479..28506, 28529..28684, 28811..28906, 29185..29305, 29348..29721, 32472..32671		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o6.tm	Method	TBLASTX:Maize
Start	27403	End	28687
GI	none	Score	106
Exons	27403..27483, 27410..27484, 27764..27889, 27765..27887, 27773..27892, 28458..28529, 28469..28507, 28479..28685, 28580..28687, 28581..28676, 28589..28687		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o7.tm	Method	TBLASTX:Maize
Start	29369	End	29623
GI	none	Score	114
Exons	29369..29464, 29490..29621, 29492..29623		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o5.gp	Method	AAT/GAP
Start	32213	End	32671
GI	767_1.R1084	Score	877
Exons	32213..32671		
GI Descrip.	'2281705 0.0e+00 (AF013979) ethylene responsive factor [Oryza sativa]'		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o5.tm	Method	TBLASTX:Maize
Start	32306	End	32680

GI	none	Score	40
Exons	32306..32377, 32313..32339, 32392..32466, 32392..32496, 32494..32673, 32495..32674, 32525..32680		

Seq. No.	47022	Seq. ID	OJ000217_06.0317.C6
Gene No.	99954	Strand	-
Start	26242	End	32680
Name	OJ000217_06.0317.C6.o3.np	Method	AAT/NAP
Start	32434	End	32671
GI	7489538	Score	398
Exons	32434..32671		
GI Descrip.	probable ethylene-response protein - rice gi|2281705|gb|AAB72193.1| (AF013979) ethylene responsive factor [Oryza sativa]		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o1.gp	Method	AAT/GAP
Start	130	End	1462
GI	767_1.R1084	Score	1617
Exons	130..426, 521..889, 1261..1462		
GI Descrip.	'2281705 0.0e+00 (AF013979) ethylene responsive factor [Oryza sativa]'		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	138	End	1462
GI	none	Score	217
Exons	138..419, 153..224, 154..429, 155..427, 157..435, 509..865, 518..892, 520..903, 526..894, 1255..1461, 1261..1461, 1304..1462		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o1.np	Method	AAT/NAP
Start	143	End	1462
GI	7489538	Score	1286
Exons	143..426, 521..889, 1261..1462		
GI Descrip.	probable ethylene-response protein - rice gi|2281705|gb|AAB72193.1| (AF013979) ethylene responsive factor [Oryza sativa]		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	154	End	619
GI	none	Score	177
Exons	154..429, 155..427, 509..619, 519..605		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o1.ts	Method	TBLASTX:Soybean

Start	154	End	1461
GI	none	Score	127
Exons	154..408, 154..438, 158..415, 506..865, 518..892, 522..896, 676..900, 676..912, 1255..1461, 1261..1461		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o1.gs	Method	GENSCAN
Start	160	End	1341
GI	none	Score	1
Exons	160..426, 521..889, 1261..1341		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	277	End	881
GI	none	Score	100
Exons	277..429, 521..880, 555..881		

Seq. No.	47023	Seq. ID	OJ000217_06.0317.C7
Gene No.	99955	Strand	-
Start	130	End	1462
Name	OJ000217_06.0317.C7.o2.tc	Method	TBLASTX:Cress
Start	1270	End	1459
GI	none	Score	114
Exons	1270..1458, 1290..1448, 1303..1458, 1304..1459		

Seq. No.	47024	Seq. ID	OJ000217_06.0317.C9
Gene No.	99956	Strand	+
Start	879	End	2569
Name	OJ000217_06.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	427	End	848
GI	none	Score	209
Exons	427..591, 435..587, 547..657, 681..848, 713..847		

Seq. No.	47024	Seq. ID	OJ000217_06.0317.C9
Gene No.	99956	Strand	+
Start	879	End	2569
Name	OJ000217_06.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	852	End	1099
GI	none	Score	246
Exons	852..971, 857..1099, 857..1099		

Seq. No.	47024	Seq. ID	OJ000217_06.0317.C9
Gene No.	99956	Strand	+
Start	879	End	2569
Name	OJ000217_06.0317.C9.o1.gs	Method	GENSCAN
Start	879	End	2569
GI	none	Score	.63
Exons	879..2569		

Seq. No.	47024	Seq. ID	OJ000217_06.0317.C9
Gene No.	99956	Strand	+
Start	879	End	2569
Name	OJ000217_06.0317.C9.o3.tm	Method	TBLASTX:Maize

Start	1113	End	1335
GI	none	Score	222
Exons	1113..1322, 1115..1264, 1120..1272, 1228..1335		

Seq. No.	47024	Seq. ID	OJ000217_06.0317.C9
Gene No.	99956	Strand	+
Start	879	End	2569
Name	OJ000217_06.0317.C9.o4.tm	Method	TBLASTX:Maize
Start	1707	End	2117
GI	none	Score	104
Exons	1707..1916, 1876..2052, 1910..2053, 1922..2056, 1926..2057, 2045..2116, 2046..2117		

Seq. No.	47025	Seq. ID	OJ000217_06.0317.C10
Gene No.	99957	Strand	-
Start	1	End	164
Name	OJ000217_06.0317.C10.o1.gp	Method	AAT/GAP
Start	1	End	164
GI	7673.R1084	Score	308
Exons	1..164		
GI Descrip.	'2281705 2.0e-24 (AF013979) ethylene responsive factor [Oryza sativa]'		

Seq. No.	47026	Seq. ID	OJ000217_06.0317.C11
Gene No.	99958	Strand	-
Start	57	End	248
Name	OJ000217_06.0317.C11.o1.gs	Method	GENSCAN
Start	57	End	248
GI	none	Score	.94
Exons	57..248		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99959	Strand	+
Start	1	End	4808
Name	OJ000217_06.0317.C12.o1.np	Method	AAT/NAP
Start	1	End	4610
GI	6751681	Score	1503
Exons	1..753, 1325..1492, 1827..1992, 2169..2279, 2367..2562, 3080..3218, 3425..3589, 4334..4610		
GI Descrip.	(AC018908) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99959	Strand	+
Start	1	End	4808
Name	OJ000217_06.0317.C12.o1.gp	Method	AAT/GAP
Start	12	End	482
GI	LIB3432-056-P1-K1-E4	Score	859
Exons	12..482		
GI Descrip.	'322525/pir||S31445 9.0e-31 omnipotent suppressor protein SUP1 homolog (clone A18) - Arabidopsis thaliana (fragment) >gi_16512_emb_CAA49171_ (X69374) similar to yeast omnipotent suppressor protein SUP1 (SUP45); ORF [Arabidopsis thaliana]'		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99959	Strand	+
Start	1	End	4808

Name	OJ000217_06.0317.C12.o1.gs	Method	GENSCAN
Start	104	End	4613
GI	none	Score	.79
Exons	104..753, 1325..1492, 1827..1992, 2169..2279, 2367..2522, 3076..3226, 3421..3589, 4334..4613		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99959	Strand	+
Start	1	End	4808
Name	OJ000217_06.0317.C12.o2.gp	Method	AAT/GAP
Start	2393	End	3529
GI	LIB3433-040-P1-K1-F7	Score	783
Exons	2393..2554, 3072..3226, 3421..3529		
GI Descrip.	'5777366/emb|CAB53377.1| 5.0e-37 (AJ009782) phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]'		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99959	Strand	+
Start	1	End	4808
Name	OJ000217_06.0317.C12.o3.gp	Method	AAT/GAP
Start	3535	End	4808
GI	66875_1.R1084	Score	999
Exons	3535..3589, 4334..4808		
GI Descrip.	'5777366/emb|CAB53377.1| 8.0e-30 (AJ009782) phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]'		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	406
GI	none	Score	101
Exons	2..58, 3..59, 41..301, 62..256, 64..399, 64..255, 65..406, 65..256, 68..262, 82..255, 89..259, 100..258		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o2.tc	Method	TBLASTX:Cress
Start	2	End	3159
GI	none	Score	58
Exons	2..55, 3..56, 6..62, 9..59, 61..255, 62..262, 62..271, 64..255, 65..232, 65..256, 67..258, 68..262, 109..261, 110..262, 674..754, 674..790, 1356..1493, 1358..1486, 1825..1995, 1875..1994, 2163..2288, 2370..2519, 2472..2561, 3064..3159, 3072..3158		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o3.ts	Method	TBLASTX:Soybean
Start	3	End	301
GI	none	Score	55
Exons	3..59, 62..118, 65..187, 67..186, 97..288, 98..301, 155..262		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o2.tm	Method	TBLASTX:Maize
Start	721	End	2549
GI	none	Score	293
Exons	721..756, 1322..1495, 1323..1493, 1369..1494, 1821..1991, 1825..1995, 1825..1995, 1826..1996, 1826..1996, 2147..2281, 2163..2288, 2185..2292, 2352..2429, 2365..2547, 2367..2549		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o2.ts	Method	TBLASTX:Soybean
Start	1359	End	4610
GI	none	Score	165
Exons	1359..1493, 1376..1495, 1824..1994, 1825..1995, 3501..3590, 4332..4406, 4425..4610, 4448..4609		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o1.ts	Method	TBLASTX:Soybean
Start	2163	End	3213
GI	none	Score	141
Exons	2163..2288, 2180..2260, 2182..2277, 2358..2396, 2360..2581, 2370..2561, 3061..3213		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o3.tm	Method	TBLASTX:Maize
Start	3422	End	4632
GI	none	Score	163
Exons	3422..3478, 3444..3590, 3477..3590, 4332..4613, 4332..4613, 4333..4632, 4357..4614		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o1.tc	Method	TBLASTX:Cress
Start	4353	End	4607
GI	none	Score	259
Exons	4353..4607, 4353..4598, 4445..4603		

Seq. No.	47027	Seq. ID	OJ000217_06.0317.C12
Gene No.	99960	Strand	-
Start	5102	End	5336
Name	OJ000217_06.0317.C12.o2.np	Method	AAT/NAP
Start	5102	End	5336
GI	5103819	Score	78
Exons	5102..5336		
GI Descrip.	(AC007591) EST gb|H77143 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99961	Strand	-

Start	1	End	6604
Name	OJ000217_06.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	3343
GI	5103819	Score	404
Exons	1..84, 858..946, 1448..1544, 2185..2256, 2519..2638, 2702..2841, 2927..2992, 3074..3190, 3266..3343		
GI Descrip.	(AC007591) EST gb|H77143 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99961	Strand	-
Start	1	End	6604
Name	OJ000217_06.0317.C13.o1.gp	Method	AAT/GAP
Start	816	End	2259
GI	3762337	Score	512
Exons	816..942, 1253..1353, 1461..1544, 2185..2259		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99961	Strand	-
Start	1	End	6604
Name	OJ000217_06.0317.C13.o1.gs	Method	GENSCAN
Start	858	End	6604
GI	none	Score	.51
Exons	858..942, 1313..1353, 1461..1544, 2185..2256, 2519..2635, 3092..3190, 3266..3367, 3639..3686, 4554..4981, 5074..5359, 6557..6604		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99961	Strand	-
Start	1	End	6604
Name	OJ000217_06.0317.C13.o2.gp	Method	AAT/GAP
Start	2622	End	3405
GI	25520_1.R1084	Score	947
Exons	2622..2841, 2945..3004, 3092..3190, 3266..3405		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99962	Strand	-
Start	7318	End	9792
Name	OJ000217_06.0317.C13.o2.gs	Method	GENSCAN
Start	7318	End	9792
GI	none	Score	.74
Exons	7318..8280, 8367..9263, 9415..9792		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99962	Strand	-
Start	7318	End	9792
Name	OJ000217_06.0317.C13.o2.np	Method	AAT/NAP
Start	7324	End	8789
GI	4314356	Score	619
Exons	7324..8280, 8348..8789		
GI Descrip.	(AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99962	Strand	-

Start	7318	End	9792
Name	OJ000217_06.0317.C13.o4.np	Method	AAT/NAP
Start	7451	End	8789
GI	4314356	Score	557
Exons	7451..8280, 8348..8789		
GI Descrip.	(AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o3.tm	Method	TBLASTX:Maize
Start	852	End	2259
GI	none	Score	129
Exons	852..956, 852..935, 990..1109, 1003..1113, 1018..1113, 1219..1299, 1245..1385, 1245..1343, 1280..1387, 1463..1546, 1463..1546, 2168..2248, 2185..2259		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	4749	End	7923
GI	none	Score	40
Exons	4749..4832, 4832..4879, 4892..4966, 7393..7485, 7540..7746, 7577..7747, 7768..7917, 7768..7923		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	7540	End	7941
GI	none	Score	94
Exons	7540..7746, 7577..7747, 7753..7941		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o1.ts	Method	TBLASTX:Soy[illegible]n
Start	7540	End	7935
GI	none	Score	109
Exons	7540..7746, 7550..7747, 7726..7935		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o1.tw	Method	TBLA[illegible]
Start	7678	End	80[illegible]
GI	none	Score	[illegible]
Exons	7678..7746, 7685..7759, 7765..7917, 7786..7914, 7957..8058		

Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o2.tm	Method	TBLASTX:Maize
Start	8445	End	16733
GI	none	Score	113

Exons	8445..8507, 8499..8558, 8628..8750, 8634..8732, 8638..8742, 9490..9552, 9544..9636, 9575..9658, 9596..9739, 9655..9714, 9718..9792, 9719..9784, 16546..16608, 16671..16733		
Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o3.gs	Method	GENSCAN
Start	10869	End	17955
GI	none	Score	.67
Exons	10869..10882, 11414..11600, 11712..11777, 13132..13269, 13908..13985, 14052..14228, 14653..14870, 14934..15217, 15274..15296, 15412..15450, 15473..15667, 15760..16021, 16126..16424, 16505..16614, 16756..16914, 17001..17189, 17213..17254, 17367..17403, 17929..17955		
Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o5.np	Method	AAT/NAP
Start	12389	End	17113
GI	7228438	Score	1091
Exons	12389..12417, 13905..14329, 15517..15667, 15760..16021, 16126..16424, 16505..16914, 17001..17113		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	47028	Seq. ID	OJ000217_06.0317.C13
Gene No.	99963	Strand	-
Start	10869	End	17955
Name	OJ000217_06.0317.C13.o3.gp	Method	AAT/GAP
Start	15082	End	15512
GI	LIB3433-020-P1-K1-A6	Score	698
Exons	15082..15512		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99964	Strand	+
Start	3833	End	5901
Name	OJ000217_06.0317.C14.o3.np	Method	AAT/NAP
Start	3833	End	5647
GI	7228442	Score	258
Exons	3833..3871, 5455..5647		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99964	Strand	+
Start	3833	End	5901
Name	OJ000217_06.0317.C14.o2.np	Method	AAT/NAP
Start	5173	End	5344
GI	5441880	Score	248
Exons	5173..5344		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99964	Strand	+
Start	3833	End	5901
Name	OJ000217_06.0317.C14.o2.gp	Method	AAT/GAP
Start	5448	End	5901
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	5448..5901		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99965	Strand	+
Start	7779	End	9197
Name	OJ000217_06.0317.C14.o5.np	Method	AAT/NAP
Start	7770	End	9161
GI	4314356	Score	702
Exons	7770..9161		
GI Descrip.	(AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99965	Strand	+
Start	7779	End	9197
Name	OJ000217_06.0317.C14.o2.gs	Method	GENSCAN
Start	7779	End	9197
GI	none	Score	1
Exons	7779..9197		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99966	Strand	+
Start	17308	End	18406
Name	OJ000217_06.0317.C14.o3.gp	Method	AAT/GAP
Start	17308	End	18097
GI	97396_1.R1084	Score	467
Exons	17308..17468, 17988..18097		
GI Descrip.	'5733885/gb|AAD49773.1|AC007932_21 1.0e-101 (AC007932) ESTs gb_H37217 and gb_T22141 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99966	Strand	+
Start	17308	End	18406
Name	OJ000217_06.0317.C14.o7.np	Method	AAT/NAP
Start	17376	End	18406
GI	5733885	Score	209
Exons	17376..17468, 17988..18095, 18122..18406		
GI Descrip.	(AC007932) ESTs gb|H37217 and gb|T22141 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99967	Strand	-
Start	452	End	4288
Name	OJ000217_06.0317.C14.o1.np	Method	AAT/NAP
Start	452	End	4288

GI	7228442	Score	2841
Exons	452..479, 1639..4288		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99968	Strand	-
Start	5018	End	6263
Name	OJ000217_06.0317.C14.o4.np	Method	AAT/NAP
Start	5018	End	6263
GI	6721543	Score	74
Exons	5018..5038, 5429..5482, 6133..6263		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o1.tw	Method	TBLASTX:Wheat
Start	2578	End	2959
GI	none	Score	51
Exons	2578..2697, 2687..2755, 2694..2756, 2780..2956, 2805..2957, 2810..2959		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o1.tm	Method	TBLASTX:Maize
Start	2775	End	3253
GI	none	Score	217
Exons	2775..3248, 2786..3253		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o6.np	Method	AAT/NAP
Start	7505	End	12333
GI	7431235	Score	144
Exons	7505..7552, 10563..10637, 10732..10860, 12310..12333		
GI Descrip.	probable malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+) (EC 1.1.1.40) - maize gi|2950395|emb|CAA12157.1| (AJ224847) oxidoreductase [Zea mays]		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o2.ts	Method	TBLASTX:Soybean
Start	7794	End	8117
GI	none	Score	251
Exons	7794..8117		

Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o2.tm	Method	TBLASTX:Maize
Start	7797	End	8105
GI	none	Score	232

Exons	7797..7958, 7802..7924, 7803..7949, 7968..8105, 7971..8060		
Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o1.ts	Method	TBLASTX:Soybean
Start	8136	End	9095
GI	none	Score	66
Exons	8136..8210, 8418..8519, 8568..8711, 8726..8998, 8742..9002, 8745..9095		
Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o1.tc	Method	TBLASTX:Cress
Start	8544	End	8996
GI	none	Score	130
Exons	8544..8726, 8726..8911, 8727..8996		
Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o3.tm	Method	TBLASTX:Maize
Start	8565	End	9060
GI	none	Score	144
Exons	8565..8720, 8574..8717, 8726..8944, 8727..8948, 9037..9060		
Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o2.tw	Method	TBLASTX:Wheat
Start	8568	End	8810
GI	none	Score	172
Exons	8568..8723, 8568..8729, 8573..8752, 8742..8810, 8744..8803		
Seq. No.	47029	Seq. ID	OJ000217_06.0317.C14
Gene No.	99969	Strand	-
Start	7505	End	14472
Name	OJ000217_06.0317.C14.o3.gs	Method	GENSCAN
Start	10208	End	14472
GI	none	Score	.82
Exons	10208..10276, 10563..10637, 12671..12698, 12721..12920, 13071..13281, 13534..13638, 14402..14472		
Seq. No.	47030	Seq. ID	OJ000217_06.0317.C16
Gene No.	99970	Strand	-
Start	66	End	848
Name	OJ000217_06.0317.C16.o1.gp	Method	AAT/GAP
Start	66	End	848
GI	none	Score	481
Exons	66..162, 682..848		
Seq. No.	47031	Seq. ID	OJ000217_02.0313.C1
Gene No.	99971	Strand	+
Start	25	End	2166
Name	OJ000217_02.0313.C1.o1.gs	Method	GENSCAN
Start	25	End	2166

GI	none	Score	.66
Exons	25..117, 844..938, 1488..1591, 1982..2166		

Seq. No.	47031	Seq. ID	OJ000217_02.0313.C1
Gene No.	99972	Strand	-
Start	1	End	141
Name	OJ000217_02.0313.C1.o1.np	Method	AAT/NAP
Start	1	End	141
GI	6983861	Score	170
Exons	1..141		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	47031	Seq. ID	OJ000217_02.0313.C1
Gene No.	99973	Strand	-
Start	2737	End	8274
Name	OJ000217_02.0313.C1.o2.gs	Method	GENSCAN
Start	2737	End	8248
GI	none	Score	.49
Exons	2737..2817, 3194..3332, 3763..3894, 4490..4589, 6653..6825, 8070..8248		

Seq. No.	47031	Seq. ID	OJ000217_02.0313.C1
Gene No.	99973	Strand	-
Start	2737	End	8274
Name	OJ000217_02.0313.C1.o2.np	Method	AAT/NAP
Start	7643	End	8274
GI	6721559	Score	330
Exons	7643..7780, 7809..8274		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o1.np	Method	AAT/NAP
Start	1	End	3613
GI	7340881	Score	178
Exons	1..120, 162..480, 1696..1811, 1917..1959, 2121..2289, 3326..3613		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o1.gs	Method	GENSCAN
Start	49	End	6610
GI	none	Score	.79
Exons	49..104, 305..480, 2184..2240, 2275..2391, 3221..3408, 3508..3623, 4670..4886, 5763..5864, 6033..6136, 6386..6486, 6566..6610		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o1.gp	Method	AAT/GAP
Start	3287	End	6466

GI	32397_1.R1084	Score	1360
Exons	3287..3408, 3508..3623, 4670..4886, 5763..5864, 6033..6136, 6386..6466		
GI Descrip.	'4966344/gb|AAD34675.1|AC006341_3 5.0e-46 (AC006341) ESTs gb_F15498, gb_H37515, gb_T41906, gb_T22448, gb_W43356 and gb_T20739 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o1.tm	Method	TBLASTX:Maize
Start	4665	End	6516
GI	none	Score	322
Exons	4665..4883, 4666..4875, 4666..4884, 5757..5837, 5760..5837, 5764..5841, 5815..5865, 5835..5873, 6028..6060, 6066..6134, 6067..6135, 6067..6156, 6383..6484, 6385..6516, 6388..6483, 6417..6488		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o1.tw	Method	TBLASTX:Wheat
Start	4668	End	6075
GI	none	Score	282
Exons	4668..4886, 4672..4875, 4672..4887, 5763..5873, 5764..5865, 6028..6075, 6031..6075		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o1.tc	Method	TBLASTX:Cress
Start	4669	End	6480
GI	none	Score	222
Exons	4669..4875, 4670..4816, 4671..4874, 4807..4881, 5764..5865, 6027..6131, 6028..6156, 6031..6135, 6385..6480, 6385..6474		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	4671	End	5865
GI	none	Score	255
Exons	4671..4892, 4672..4875, 5764..5865		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o2.np	Method	[illegible]
Start	4672	End	6776
GI	4966344	Score	505
Exons	4672..4886, 5763..5864, 6033..6136, 6386..6486, 6566..6610, 6727..6776		
GI Descrip.	(AC006341) ESTs gb|F15498, gb|H37515, gb|T41906, gb|T22448, gb|W43356 and gb|T20739 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2

Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o2.tw	Method	TBLASTX:Wheat
Start	6076	End	6776
GI	none	Score	69
Exons	6076..6132, 6084..6131, 6091..6156, 6093..6137, 6382..6486, 6385..6483, 6560..6610, 6717..6776, 6721..6774		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o2.ts	Method	TBLASTX:Soybean
Start	6385	End	6776
GI	none	Score	155
Exons	6385..6486, 6417..6488, 6560..6610, 6566..6601, 6721..6774, 6729..6776		

Seq. No.	47032	Seq. ID	OJ000217_02.0313.C2
Gene No.	99974	Strand	+
Start	1	End	6776
Name	OJ000217_02.0313.C2.o2.gp	Method	AAT/GAP
Start	6581	End	6776
GI	none	Score	132
Exons	6581..6610, 6727..6776		

Seq. No.	47033	Seq. ID	OJ000217_02.0313.C3
Gene No.	99975	Strand	+
Start	475	End	2302
Name	OJ000217_02.0313.C3.o1.gs	Method	GENSCAN
Start	475	End	2302
GI	none	Score	.63
Exons	475..619, 2175..2302		

Seq. No.	47033	Seq. ID	OJ000217_02.0313.C3
Gene No.	99976	Strand	-
Start	1	End	150
Name	OJ000217_02.0313.C3.o1.gp	Method	AAT/GAP
Start	1	End	150
GI	none	Score	240
Exons	1..150		

Seq. No.	47033	Seq. ID	OJ000217_02.0313.C3
Gene No.	99977	Strand	-
Start	2855	End	3879
Name	OJ000217_02.0313.C3.o2.gs	Method	GENSCAN
Start	2855	End	3879
GI	none	Score	.59
Exons	2855..3306, 3407..3711, 3770..3879		

Seq. No.	47034	Seq. ID	OJ000217_02.0313.C4
Gene No.	99978	Strand	-
Start	1516	End	1773
Name	OJ000217_02.0313.C4.o1.gs	Method	GENSCAN
Start	1516	End	1773
GI	none	Score	1
Exons	1516..1773		

Seq. No.	47035	Seq. ID	OJ000217_02.0313.C5
Gene No.	99979	Strand	-
Start	1	End	860
Name	OJ000217_02.0313.C5.o1.np	Method	AAT/NAP
Start	1	End	860
GI	1362017	Score	125
Exons	1..108, 477..546, 689..860		
GI Descrip.	CCHH finger protein 4 - Arabidopsis thaliana gi|790679|gb|AAA87300.1| (L39647) zinc finger protein [Arabidopsis thaliana]		

Seq. No.	47036	Seq. ID	OJ000217_02.0313.C6
Gene No.	99980	Strand	+
Start	1	End	1175
Name	OJ000217_02.0313.C6.o1.np	Method	AAT/NAP
Start	1	End	1175
GI	7485351	Score	82
Exons	1..137, 1152..1175		
GI Descrip.	hypothetical protein F10M6.140 - Arabidopsis thaliana gi|2864621|emb|CAA16968.1| (AL021811) hypothetical protein [Arabidopsis thaliana] gi|7270126|emb|CAB79940.1| (AL161580) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47036	Seq. ID	OJ000217_02.0313.C6
Gene No.	99980	Strand	+
Start	1	End	1175
Name	OJ000217_02.0313.C6.o2.np	Method	AAT/NAP
Start	1	End	1175
GI	4544372	Score	435
Exons	1..21, 321..1175		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	47036	Seq. ID	OJ000217_02.0313.C6
Gene No.	99980	Strand	+
Start	1	End	1175
Name	OJ000217_02.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	411	End	740
GI	none	Score	222
Exons	411..740		

Seq. No.	47036	Seq. ID	OJ000217_02.0313.C6
Gene No.	99980	Strand	+
Start	1	End	1175
Name	OJ000217_02.0313.C6.o1.ts	Method	TBLASTX:Soybean
Start	573	End	971
GI	none	Score	227
Exons	573..971, 677..793, 831..854		

Seq. No.	47036	Seq. ID	OJ000217_02.0313.C6
Gene No.	99980	Strand	+
Start	1	End	1175
Name	OJ000217_02.0313.C6.o1.tw	Method	TBLASTX:Wheat
Start	728	End	1142
GI	none	Score	205
Exons	728..799, 729..1142		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99981	Strand	+
Start	8944	End	10778
Name	OJ000217_02.0313.C7.o3.gs	Method	GENSCAN
Start	8944	End	10763
GI	none	Score	.94
Exons	8944..9109, 9793..9950, 10059..10763		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99981	Strand	+
Start	8944	End	10778
Name	OJ000217_02.0313.C7.o1.np	Method	AAT/NAP
Start	8951	End	10778
GI	3668115	Score	1032
Exons	8951..9109, 9796..9950, 10059..10778		
GI Descrip.	(Y15069) cinnamoyl-CoA reductase [Zea mays]		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99982	Strand	+
Start	18350	End	19233
Name	OJ000217_02.0313.C7.o1.gp	Method	AAT/GAP
Start	18350	End	19233
GI	72524_1.R1084	Score	1571
Exons	18350..19233		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99983	Strand	+
Start	19179	End	25941
Name	OJ000217_02.0313.C7.o2.np	Method	AAT/NAP
Start	19179	End	25887
GI	7106512	Score	1810
Exons	19179..19239, 19312..19457, 19553..19817, 19860..21043, 21374..22434, 22489..22744, 25738..25887		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99983	Strand	+
Start	19179	End	25941
Name	OJ000217_02.0313.C7.o9.gs	Method	GENSCAN
Start	25176	End	25941
GI	none	Score	.82
Exons	25176..25251, 25715..25941		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99984	Strand	-
Start	389	End	4134
Name	OJ000217_02.0313.C7.o1.gs	Method	GENSCAN
Start	389	End	4134
GI	none	Score	.81
Exons	389..841, 1235..1654, 1736..2622, 2706..3023, 3108..3204, 3300..3443, 3585..3724, 4053..4134		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99985	Strand	-

Start	11244	End	14052
Name	OJ000217_02.0313.C7.o4.gs	Method	GENSCAN
Start	11244	End	14052
GI	none	Score	.73
Exons	11244..11375, 12550..12610, 13553..14052		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99986	Strand	-
Start	14674	End	17011
Name	OJ000217_02.0313.C7.o5.gs	Method	GENSCAN
Start	14674	End	17011
GI	none	Score	.61
Exons	14674..14783, 14901..14947, 16058..16195, 16407..17011		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99987	Strand	-
Start	21743	End	22385
Name	OJ000217_02.0313.C7.o7.gs	Method	GENSCAN
Start	21743	End	22385
GI	none	Score	.61
Exons	21743..22281, 22298..22385		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o1.tm	Method	TBLASTX:Maize
Start	9006	End	10745
GI	none	Score	167
Exons	9006..9107, 9007..9108, 9804..9950, 9902..9979, 10059..10103, 10146..10172, 10194..10745, 10202..10420, 10526..10744		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o2.tc	Method	TBLASTX:Cress
Start	9007	End	10349
GI	none	Score	157
Exons	9007..9108, 9009..9107, 9795..9950, 9902..9979, 10059..10103, 10143..10172, 10194..10349		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o1.ts	Method	TBLASTX:Soybean
Start	9009	End	10736
GI	none	Score	162
Exons	9009..9107, 9010..9108, 9795..9950, 10058..10150, 10059..10103, 10146..10172, 10194..10736, 10208..10420, 10535..10597		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o1.tw	Method	TBLASTX:Wheat
Start	10371	End	10730
GI	none	Score	181
Exons	10371..10529, 10521..10730, 10526..10726		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o1.tc	Method	TBLASTX:Cress
Start	13546	End	13980
GI	none	Score	51
Exons	13546..13662, 13547..13657, 13690..13980, 13691..13942		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o3.tm	Method	TBLASTX:Maize
Start	13721	End	14046
GI	none	Score	99
Exons	13721..14002, 13723..13977, 13975..14046		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o2.tm	Method	TBLASTX:Maize
Start	16562	End	16918
GI	none	Score	113
Exons	16562..16714, 16563..16715, 16745..16801, 16784..16831, 16820..16918		

Seq. No.	47037	Seq. ID	OJ000217_02.0313.C7
Gene No.	99988	Strand	-
Start	23497	End	23853
Name	OJ000217_02.0313.C7.o8.gs	Method	GENSCAN
Start	23497	End	23853
GI	none	Score	.95
Exons	23497..23689, 23702..23853		

Seq. No.	47038	Seq. ID	OJ000217_02.0313.C8
Gene No.	99989	Strand	+
Start	172	End	3603
Name	OJ000217_02.0313.C8.o1.np	Method	AAT/NAP
Start	172	End	3545
GI	7106512	Score	119
Exons	172..571, 3419..3545		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47038	Seq. ID	OJ000217_02.0313.C8
Gene No.	99989	Strand	+
Start	172	End	3603
Name	OJ000217_02.0313.C8.o2.np	Method	AAT/NAP
Start	2173	End	3603
GI	7106512	Score	76
Exons	2173..2233, 2306..2360, 3583..3603		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47038	Seq. ID	OJ000217_02.0313.C8
Gene No.	99990	Strand	-
Start	2249	End	2633
Name	OJ000217_02.0313.C8.o1.gp	Method	AAT/GAP

Start	1913	End	2225
GI	72524_1.R1084	Score	428
Exons	1913..2225		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	47038	Seq. ID	OJ000217_02.0313.C8
Gene No.	99990	Strand	-
Start	2249	End	2633
Name	OJ000217_02.0313.C8.o2.gs	Method	GENSCAN
Start	2249	End	2633
GI	none	Score	.56
Exons	2249..2633		

Seq. No.	47038	Seq. ID	OJ000217_02.0313.C8
Gene No.	99991	Strand	
Start	3243	End	3602
Name	OJ000217_02.0313.C8.o1.tm	Method	TBLASTX:Maize
Start	3243	End	3602
GI	none	Score	96
Exons	3243..3572, 3366..3563, 3463..3573, 3561..3602		

Seq. No.	47039	Seq. ID	OJ000217_02.0313.C9
Gene No.	99992	Strand	-
Start	1	End	2343
Name	OJ000217_02.0313.C9.o1.np	Method	AAT/NAP
Start	1	End	2343
GI	3738337	Score	629
Exons	1..1655, 2313..2343		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47039	Seq. ID	OJ000217_02.0313.C9
Gene No.	99992	Strand	-
Start	1	End	2343
Name	OJ000217_02.0313.C9.o2.tm	Method	TBLASTX:Maize
Start	80	End	503
GI	none	Score	83
Exons	80..187, 81..197, 194..265, 254..502, 258..503		

Seq. No.	47039	Seq. ID	OJ000217_02.0313.C9
Gene No.	99992	Strand	-
Start	1	End	2343
Name	OJ000217_02.0313.C9.o1.tw	Method	TBLASTX:Wheat
Start	110	End	451
GI	none	Score	184
Exons	110..133, 135..431, 137..451		

Seq. No.	47039	Seq. ID	OJ000217_02.0313.C9
Gene No.	99992	Strand	-
Start	1	End	2343
Name	OJ000217_02.0313.C9.o1.ts	Method	TBLASTX:Soybean
Start	263	End	823
GI	none	Score	61
Exons	263..448, 357..449, 476..586, 602..697, 770..823		

Seq. No.	47039	Seq. ID	OJ000217_02.0313.C9

Gene No.	99992	Strand	-
Start	1	End	2343
Name	OJ000217_02.0313.C9.o1.gs	Method	GENSCAN
Start	401	End	1723
GI	none	Score	.63
Exons	401..492, 647..1723		

Seq. No.	47039	Seq. ID	OJ000217_02.0313.C9
Gene No.	99992	Strand	-
Start	1	End	2343
Name	OJ000217_02.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	602	End	1390
GI	none	Score	71
Exons	602..907, 953..1390, 954..1037, 1110..1214		

Seq. No.	47039	Seq. ID	OJ000217_02.0313.C9
Gene No.	99992	Strand	-
Start	1	End	2343
Name	OJ000217_02.0313.C9.o2.tw	Method	TBLASTX:Wheat
Start	1133	End	1468
GI	none	Score	165
Exons	1133..1252, 1226..1468		

Seq. No.	47040	Seq. ID	OJ000217_02.0313.C12
Gene No.	99993	Strand	-
Start	226	End	501
Name	OJ000217_02.0313.C12.o1.gs	Method	GENSCAN
Start	226	End	501
GI	none	Score	.68
Exons	226..291, 397..501		

Seq. No.	47041	Seq. ID	OJ000217_02.0313.C13
Gene No.	99994	Strand	-
Start	161	End	1230
Name	OJ000217_02.0313.C13.o1.gs	Method	GENSCAN
Start	161	End	1230
GI	none	Score	.56
Exons	161..360, 492..1230		

Seq. No.	47041	Seq. ID	OJ000217_02.0313.C13
Gene No.	99994	Strand	-
Start	161	End	1230
Name	OJ000217_02.0313.C13.o1.np	Method	AAT/NAP
Start	499	End	1230
GI	7248393	Score	430
Exons	499..836, 912..1230		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99995	Strand	+
Start	1	End	6011
Name	OJ000217_02.0313.C14.o2.np	Method	AAT/NAP
Start	1	End	6008
GI	7228457	Score	1351
Exons	1..30, 4186..4282, 4328..4401, 4468..6008		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza		

sativa]

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99995	Strand	+
Start	1	End	6011
Name	OJ000217_02.0313.C14.o1.gs	Method	GENSCAN
Start	552	End	6011
GI	none	Score	.42
Exons	552..633, 1991..2413, 3087..3701, 3792..4173, 4353..4508, 4806..5004, 5200..5528, 5540..6011		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99995	Strand	+
Start	1	End	6011
Name	OJ000217_02.0313.C14.o1.np	Method	AAT/NAP
Start	1564	End	3618
GI	7523517	Score	329
Exons	1564..1848, 1991..2042, 3590..3618		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99996	Strand	+
Start	10104	End	12191
Name	OJ000217_02.0313.C14.o5.np	Method	AAT/NAP
Start	10104	End	12191
GI	7523517	Score	409
Exons	10104..10403, 10552..10600, 12151..12191		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99997	Strand	-
Start	6754	End	10608
Name	OJ000217_02.0313.C14.o2.gs	Method	GENSCAN
Start	6754	End	10608
GI	none	Score	.82
Exons	6754..7094, 7310..7388, 7621..8292, 8339..8437, 8467..8589, 8639..8662, 8702..8826, 8907..8989, 9035..9162, 9274..9370, 9547..9687, 10260..10330, 10564..10608		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99997	Strand	-
Start	6754	End	10608
Name	OJ000217_02.0313.C14.o3.np	Method	AAT/NAP
Start	7492	End	8816
GI	6721561	Score	1056
Exons	7492..8257, 8339..8430, 8470..8631, 8745..8816		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99997	Strand	-
Start	6754	End	10608
Name	OJ000217_02.0313.C14.o4.np	Method	AAT/NAP
Start	8057	End	9646

GI	6721558	Score	261
Exons	8057..8257, 8698..8826, 9547..9646		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99998	Strand	-
Start	11346	End	11509
Name	OJ000217_02.0313.C14.o3.tw	Method	TBLASTX:Wheat
Start	3514	End	3907
GI	none	Score	67
Exons	3514..3633, 3584..3667, 3586..3663, 3646..3786, 3647..3907		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99998	Strand	-
Start	11346	End	11509
Name	OJ000217_02.0313.C14.o4.tw	Method	TBLASTX:Wheat
Start	4372	End	4677
GI	none	Score	212
Exons	4372..4677, 4419..4673		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99998	Strand	-
Start	11346	End	11509
Name	OJ000217_02.0313.C14.o1.tm	Method	TBLASTX:Maize
Start	4879	End	5184
GI	none	Score	250
Exons	4879..5127, 4899..5120, 5127..5183, 5128..5184		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99998	Strand	-
Start	11346	End	11509
Name	OJ000217_02.0313.C14.o2.tw	Method	TBLASTX:Wheat
Start	4882	End	5262
GI	none	Score	210
Exons	4882..5127, 4890..5087, 5115..5261, 5116..5262		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99998	Strand	-
Start	11346	End	11509
Name	OJ000217_02.0313.C14.o1.tw	Method	TBLASTX:Wheat
Start	5386	End	5999
GI	none	Score	129
Exons	5386..5559, 5547..5843, 5868..5999, 5873..5998		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99998	Strand	-
Start	11346	End	11509
Name	OJ000217_02.0313.C14.o2.tm	Method	TBLASTX:Maize
Start	5697	End	5963
GI	none	Score	145
Exons	5697..5879, 5762..5878, 5873..5962, 5880..5963		

Seq. No.	47042	Seq. ID	OJ000217_02.0313.C14
Gene No.	99998	Strand	-
Start	11346	End	11509

Name	OJ000217_02.0313.C14.o3.gs	Method	GENSCAN
Start	11346	End	11509
GI	none	Score	.95
Exons	11346..11509		

Seq. No.	47043	Seq. ID	OJ000217_02.0313.C15
Gene No.	99999	Strand	+
Start	438	End	748
Name	OJ000217_02.0313.C15.o1.gs	Method	GENSCAN
Start	438	End	748
GI	none	Score	.68
Exons	438..511, 648..748		

Seq. No.	47044	Seq. ID	OJ000117_03.0317.C3
Gene No.	100000	Strand	+
Start	609	End	2009
Name	OJ000117_03.0317.C3.o1.gs	Method	GENSCAN
Start	609	End	2009
GI	none	Score	.57
Exons	609..834, 1669..2009		

Seq. No.	47044	Seq. ID	OJ000117_03.0317.C3
Gene No.	100001	Strand	+
Start	7104	End	7628
Name	OJ000117_03.0317.C3.o3.gs	Method	GENSCAN
Start	7104	End	7628
GI	none	Score	.95
Exons	7104..7272, 7354..7628		

Seq. No.	47044	Seq. ID	OJ000117_03.0317.C3
Gene No.	100002	Strand	-
Start	7554	End	7858
Name	OJ000117_03.0317.C3.o1.gp	Method	AAT/GAP
Start	7554	End	7858
GI	3761745	Score	518
Exons	7554..7858		
GI Descrip.	4099436/gb|U87250|MVU87250 3.0e-67 Mustela vison GT dinucleotide repeat, chromosome 2,3,5 and 7 centromeric		

Seq. No.	47044	Seq. ID	OJ000117_03.0317.C3
Gene No.	100003	Strand	-
Start	10065	End	11526
Name	OJ000117_03.0317.C3.o4.gs	Method	GENSCAN
Start	10065	End	11526
GI	none	Score	.61
Exons	10065..10295, 11240..11296, 11473..11526		

Seq. No.	47045	Seq. ID	OJ000117_03.0317.C4
Gene No.	100004	Strand	+
Start	484	End	1034
Name	OJ000117_03.0317.C4.o1.gs	Method	GENSCAN
Start	484	End	1034
GI	none	Score	.9
Exons	484..590, 1007..1034		

Seq. No.	47045	Seq. ID	OJ000117_03.0317.C4
Gene No.	100005	Strand	+

Start	4197	End	4625
Name	OJ000117_03.0317.C4.o3.gs	Method	GENSCAN
Start	4197	End	4625
GI	none	Score	.94
Exons	4197..4327, 4463..4625		

Seq. No.	47045	Seq. ID	OJ000117_03.0317.C4
Gene No.	100006	Strand	+
Start	5908	End	10512
Name	OJ000117_03.0317.C4.o4.gs	Method	GENSCAN
Start	5908	End	10512
GI	none	Score	.72
Exons	5908..6008, 7613..7787, 8087..8305, 9671..10054, 10288..10512		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o1.gs	Method	GENSCAN
Start	89	End	8832
GI	none	Score	.49
Exons	89..483, 489..509, 599..794, 851..1044, 1373..1873, 2012..2194, 2311..2440, 2536..2694, 3982..4740, 4885..4958, 5018..6455, 6465..6618, 6666..8050, 8138..8302, 8407..8832		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	1515	End	2185
GI	none	Score	502
Exons	1515..1928, 1520..1930, 1701..1937, 2010..2126, 2051..2125, 2118..2180, 2121..2183, 2122..2184, 2123..2185, 2123..2185		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	2303	End	2512
GI	none	Score	265
Exons	2303..2509, 2308..2508, 2309..2512		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o3.tw	Method	TBLASTX:Wheat
Start	3934	End	4254
GI	none	Score	348
Exons	3934..4254, 3942..4232		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	4120	End	4390
GI	none	Score	314
Exons	4120..4359, 4120..4356, 4122..4358, 4199..4390		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o1.np	Method	AAT/NAP
Start	4830	End	8801
GI	7228457	Score	1581
Exons	4830..4877, 6326..7930, 7988..8801		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o4.tw	Method	TBLASTX:Wheat
Start	6465	End	6862
GI	none	Score	124
Exons	6465..6641, 6638..6862		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o2.tw	Method	TBLASTX:Wheat
Start	7445	End	8212
GI	none	Score	128
Exons	7445..7627, 7453..7626, 7664..7900, 7666..7890, 7958..8212, 8047..8208		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o5.tw	Method	TBLASTX:Wheat
Start	8213	End	8445
GI	none	Score	208
Exons	8213..8407, 8215..8406, 8377..8445, 8388..8444		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	8222	End	8577
GI	none	Score	184
Exons	8222..8416, 8276..8380, 8284..8403, 8377..8577, 8385..8576		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	8446	End	8802
GI	none	Score	392
Exons	8446..8802, 8458..8802		

Seq. No.	47046	Seq. ID	OJ000117_03.0317.C5
Gene No.	100007	Strand	+
Start	89	End	8832
Name	OJ000117_03.0317.C5.o5.tm	Method	TBLASTX:Maize
Start	8581	End	8802

GI	none	Score	198
Exons	8581..8802		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100008	Strand	+
Start	1479	End	2276
Name	OJ000117_03.0317.C6.o1.np	Method	AAT/NAP
Start	1479	End	2276
GI	4512231	Score	1342
Exons	1479..2276		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100009	Strand	+
Start	2499	End	6974
Name	OJ000117_03.0317.C6.o2.np	Method	AAT/NAP
Start	2499	End	6974
GI	4680179	Score	5601
Exons	2499..3554, 3582..6974		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100010	Strand	+
Start	9988	End	12453
Name	OJ000117_03.0317.C6.o3.np	Method	AAT/NAP
Start	9988	End	12453
GI	5902445	Score	2185
Exons	9988..11170, 11210..12453		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100011	Strand	+
Start	13970	End	19844
Name	OJ000117_03.0317.C6.o8.np	Method	AAT/NAP
Start	13970	End	19015
GI	4680186	Score	368
Exons	13970..14094, 17934..17977, 18813..19015		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100011	Strand	+
Start	13970	End	19844
Name	OJ000117_03.0317.C6.o6.np	Method	AAT/NAP
Start	16357	End	16890
GI	7523517	Score	252
Exons	16357..16651, 16796..16890		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100011	Strand	+
Start	13970	End	19844
Name	OJ000117_03.0317.C6.o4.gs	Method	GENSCAN
Start	16901	End	19844
GI	none	Score	.48
Exons	16901..17150, 18663..18716, 18813..18968, 19696..19844		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6

Gene No.	100012	Strand	-
Start	11791	End	16166
Name	OJ000117_03.0317.C6.o5.np	Method	AAT/NAP
Start	11791	End	15967
GI	6907089	Score	272
Exons	11791..11835, 15242..15967		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100012	Strand	-
Start	11791	End	16166
Name	OJ000117_03.0317.C6.o3.gs	Method	GENSCAN
Start	13087	End	16166
GI	none	Score	.82
Exons	13087..13560, 13857..14352, 14397..14582, 14638..14696, 14767..14958, 15026..15150, 15316..15654, 15847..15987, 16097..16166		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100012	Strand	-
Start	11791	End	16166
Name	OJ000117_03.0317.C6.o4.np	Method	AAT/NAP
Start	13815	End	15022
GI	6721561	Score	1176
Exons	13815..14572, 14638..14696, 14767..15022		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o10.tw	Method	TBLASTX:Wheat
Start	2705	End	2903
GI	none	Score	205
Exons	2705..2902, 2706..2903, 2709..2903		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o6.tw	Method	TBLASTX:Wheat
Start	2952	End	3305
GI	none	Score	315
Exons	2952..3149, 2955..3305		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o9.tm	Method	TBLASTX:Maize
Start	2955	End	3260
GI	none	Score	247
Exons	2955..3260, 2955..3191		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-

Start	18565	End	18948
Name	OJ000117_03.0317.C6.o9.tw	Method	TBLASTX:Wheat
Start	3639	End	3992
GI	none	Score	253
Exons	3639..3992		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o11.tm	Method	TBLASTX:Maize
Start	3996	End	4193
GI	none	Score	196
Exons	3996..4193, 4034..4192		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o4.tw	Method	TBLASTX:Wheat
Start	4124	End	4608
GI	none	Score	527
Exons	4124..4564, 4125..4607, 4149..4604, 4234..4608		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o4.ts	Method	TBLASTX:Soybean
Start	4161	End	4475
GI	none	Score	190
Exons	4161..4475		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o4.tm	Method	TBLASTX:Maize
Start	4194	End	4637
GI	none	Score	365
Exons	4194..4637		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	4548	End	10192
GI	none	Score	57
Exons	4548..4580, 4548..4580, 4584..4637, 4586..4627, 4698..4943, 4700..4933, 9995..10192		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o5.tw	Method	TBLASTX:Wheat
Start	4670	End	10306
GI	none	Score	62
Exons	4670..4762, 4694..4957, 4698..4958, 9995..10306, 9997..10230		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-

Start	18565	End	18948
Name	OJ000117_03.0317.C6.o6.tm	Method	TBLASTX:Maize
Start	4710	End	10270
GI	none	Score	307
Exons	4710..5024, 4745..5023, 9995..10270		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o3.tw	Method	TBLASTX:Wheat
Start	4959	End	5397
GI	none	Score	78
Exons	4959..5024, 5020..5397, 5025..5390, 5047..5397		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	5044	End	5397
GI	none	Score	460
Exons	5044..5397, 5049..5390		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	5428	End	11674
GI	none	Score	392
Exons	5428..5820, 5581..5814, 5607..5816, 5823..5963, 5831..5959, 11390..11590, 11597..11674		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	5662	End	5987
GI	none	Score	83
Exons	5662..5844, 5844..5987, 5846..5986		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	5820	End	6101
GI	none	Score	386
Exons	5820..5909, 5823..6101, 5828..6097		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	5823	End	6011
GI	none	Score	246
Exons	5823..6011, 5825..6010		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-

Start	18565	End	18948
Name	OJ000117_03.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	5970	End	12087
GI	none	Score	712
Exons	5970..6596, 6026..6478, 6536..6595, 11774..11911, 11959..12087		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	6149	End	6734
GI	none	Score	225
Exons	6149..6304, 6150..6311, 6164..6313, 6308..6481, 6309..6734, 6468..6713, 6536..6733		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o7.tw	Method	TBLASTX:Wheat
Start	6596	End	6929
GI	none	Score	315
Exons	6596..6877, 6597..6929		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o8.tw	Method	TBLASTX:Wheat
Start	10421	End	10828
GI	none	Score	201
Exons	10421..10645, 10460..10645, 10474..10647, 10655..10828, 10763..10828		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o5.tm	Method	TBLASTX:Maize
Start	11330	End	11635
GI	none	Score	324
Exons	11330..11635, 11347..11634		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o11.tw	Method	TBLASTX:Wheat
Start	12088	End	12444
GI	none	Score	128
Exons	12088..12288, 12313..12444, 12318..12443		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o10.tm	Method	TBLASTX:Maize
Start	12142	End	12408
GI	none	Score	158
Exons	12142..12324, 12211..12330, 12315..12374, 12325..12408		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6

Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o7.tm	Method	TBLASTX:Maize
Start	16850	End	17284
GI	none	Score	225
Exons	16850..17149, 16864..16992, 17159..17284, 17160..17234, 17210..17284		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o3.ts	Method	TBLASTX:Soybean
Start	17254	End	17467
GI	none	Score	200
Exons	17254..17466, 17264..17467		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o8.tm	Method	TBLASTX:Maize
Start	17288	End	17640
GI	none	Score	263
Exons	17288..17482, 17290..17481, 17310..17486, 17327..17482, 17602..17640		

Seq. No.	47047	Seq. ID	OJ000117_03.0317.C6
Gene No.	100013	Strand	-
Start	18565	End	18948
Name	OJ000117_03.0317.C6.o1.gp	Method	AAT/GAP
Start	18565	End	18948
GI	uC-osflcyp033a04b1	Score	655
Exons	18565..18948		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47048	Seq. ID	OJ000117_03.0317.C7
Gene No.	100014	Strand	+
Start	874	End	983
Name	OJ000117_03.0317.C7.o1.gs	Method	GENSCAN
Start	874	End	983
GI	none	Score	.87
Exons	874..983		

Seq. No.	47049	Seq. ID	OJ000117_03.0317.C8
Gene No.	100015	Strand	+
Start	1577	End	2966
Name	OJ000117_03.0317.C8.o1.gs	Method	GENSCAN
Start	1577	End	2966
GI	none	Score	.99
Exons	1577..1741, 2728..2966		

Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100016	Strand	-
Start	1	End	9026
Name	OJ000117_03.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	6466
GI	4877649	Score	414

Exons	1..22, 3211..3302, 6035..6294, 6352..6466		
GI Descrip.	(AF114162) gibberellin MYB transcription factor [Lolium temulentum]		
Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100016	Strand	-
Start	1	End	9026
Name	OJ000117_03.0317.C9.o1.gp	Method	AAT/GAP
Start	2035	End	2204
GI	2796906	Score	309
Exons	2035..2204		
Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100016	Strand	-
Start	1	End	9026
Name	OJ000117_03.0317.C9.o1.gs	Method	GENSCAN
Start	2178	End	9026
GI	none	Score	.83
Exons	2178..2497, 2564..3302, 6035..6518, 6675..6742, 7373..7509, 8383..8518, 8862..9026		
Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100017	Strand	-
Start	9219	End	9521
Name	OJ000117_03.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	3237	End	6287
GI	none	Score	187
Exons	3237..3299, 6038..6286, 6042..6287		
Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100017	Strand	-
Start	9219	End	9521
Name	OJ000117_03.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	3246	End	6286
GI	none	Score	65
Exons	3246..3299, 3259..3306, 6041..6286, 6042..6281		
Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100017	Strand	-
Start	9219	End	9521
Name	OJ000117_03.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	3249	End	6292
GI	none	Score	113
Exons	3249..3299, 6041..6292, 6042..6287		
Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100017	Strand	-
Start	9219	End	9521
Name	OJ000117_03.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	6041	End	6287
GI	none	Score	100
Exons	6041..6286, 6117..6227, 6264..6287		
Seq. No.	47050	Seq. ID	OJ000117_03.0317.C9
Gene No.	100017	Strand	-
Start	9219	End	9521
Name	OJ000117_03.0317.C9.o2.gs	Method	GENSCAN

Start	9219	End	9521
GI	none	Score	.98
Exons	9219..9521		

Seq. No.	47051	Seq. ID	OJ000117_03.0317.C10
Gene No.	100018	Strand	+
Start	1361	End	1471
Name	OJ000117_03.0317.C10.o1.gs	Method	GENSCAN
Start	1361	End	1471
GI	none	Score	.85
Exons	1361..1471		

Seq. No.	47051	Seq. ID	OJ000117_03.0317.C10
Gene No.	100019	Strand	-
Start	2590	End	3137
Name	OJ000117_03.0317.C10.o2.gs	Method	GENSCAN
Start	2590	End	3137
GI	none	Score	.6
Exons	2590..2730, 3105..3137		

Seq. No.	47052	Seq. ID	OJ000117_03.0317.C11
Gene No.	100020	Strand	+
Start	1	End	911
Name	OJ000117_03.0317.C11.o1.np	Method	AAT/NAP
Start	1	End	908
GI	2126090	Score	1571
Exons	1..908		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	47052	Seq. ID	OJ000117_03.0317.C11
Gene No.	100020	Strand	+
Start	1	End	911
Name	OJ000117_03.0317.C11.o1.gs	Method	GENSCAN
Start	24	End	911
GI	none	Score	.98
Exons	24..911		

Seq. No.	47052	Seq. ID	OJ000117_03.0317.C11
Gene No.	100021	Strand	-
Start	2311	End	4252
Name	OJ000117_03.0317.C11.o2.gs	Method	GENSCAN
Start	2311	End	4252
GI	none	Score	.51
Exons	2311..2510, 2544..2593, 2640..2719, 4176..4252		

Seq. No.	47053	Seq. ID	OJ000117_03.0317.C12
Gene No.	100022	Strand	+
Start	234	End	1697
Name	OJ000117_03.0317.C12.o1.gs	Method	GENSCAN
Start	234	End	1697
GI	none	Score	.48
Exons	234..452, 1623..1697		

Seq. No.	47054	Seq. ID	OJ000217_01.0308.C1
Gene No.	100023	Strand	-
Start	1	End	1402
Name	OJ000217_01.0308.C1.o1.np	Method	AAT/NAP
Start	1	End	1402
GI	4210449	Score	138
Exons	1..83, 697..750, 964..1040, 1136..1402		
GI Descrip.	(AB016471) ARR1 protein [Arabidopsis thaliana]		

Seq. No.	47054	Seq. ID	OJ000217_01.0308.C1
Gene No.	100023	Strand	-
Start	1	End	1402
Name	OJ000217_01.0308.C1.o1.gs	Method	GENSCAN
Start	54	End	1336
GI	none	Score	.89
Exons	54..750, 964..1040, 1136..1286, 1316..1336		

Seq. No.	47055	Seq. ID	OJ000217_01.0308.C2
Gene No.	100024	Strand	-
Start	1	End	3083
Name	OJ000217_01.0308.C2.o1.np	Method	AAT/NAP
Start	1	End	1744
GI	7485369	Score	207
Exons	1..36, 1364..1516, 1618..1744		
GI Descrip.	hypothetical protein F10N7.270 - Arabidopsis thaliana gi|2827643|emb|CAA16597.1| (AL021636) predicted protein [Arabidopsis thaliana] gi|3549641|emb|CAA06432.1| (AJ005195) receiver-like protein 4 [Arabidopsis thaliana] gi|7270096|emb|CAB79910.1| (AL161580) predicted protein [Arabidopsis thaliana]		

Seq. No.	47055	Seq. ID	OJ000217_01.0308.C2
Gene No.	100024	Strand	-
Start	1	End	3083
Name	OJ000217_01.0308.C2.o1.gs	Method	GENSCAN
Start	726	End	3083
GI	none	Score	.46
Exons	726..745, 1364..1516, 1618..1759, 2231..2360, 3010..3083		

Seq. No.	47055	Seq. ID	OJ000217_01.0308.C2
Gene No.	100024	Strand	-
Start	1	End	3083
Name	OJ000217_01.0308.C2.o1.tw	Method	TBLASTX:Wheat
Start	1329	End	1514
GI	none	Score	99
Exons	1329..1514, 1373..1483		

Seq. No.	47055	Seq. ID	OJ000217_01.0308.C2
Gene No.	100024	Strand	-
Start	1	End	3083
Name	OJ000217_01.0308.C2.o1.tc	Method	TBLASTX:Cress
Start	1335	End	1712
GI	none	Score	57
Exons	1335..1514, 1363..1515, 1622..1711, 1623..1712		

Seq. No.	47055	Seq. ID	OJ000217_01.0308.C2

Gene No.	100024	Strand	-
Start	1	End	3083
Name	OJ000217_01.0308.C2.o1.tm	Method	TBLASTX:Maize
Start	1363	End	1742
GI	none	Score	60
Exons	1363..1515, 1365..1514, 1622..1711, 1623..1742		

Seq. No.	47055	Seq. ID	OJ000217_01.0308.C2
Gene No.	100024	Strand	-
Start	1	End	3083
Name	OJ000217_01.0308.C2.o1.ts	Method	TBLASTX:Soybean
Start	1363	End	1711
GI	none	Score	64
Exons	1363..1515, 1365..1514, 1622..1711, 1623..1706		

Seq. No.	47056	Seq. ID	OJ000217_01.0308.C5
Gene No.	100025	Strand	+
Start	1	End	351
Name	OJ000217_01.0308.C5.o1.gp	Method	AAT/GAP
Start	1	End	351
GI	702025	Score	507
Exons	1..52, 128..351		
GI Descrip.	4337187/gb|AAD18101| 4.0e-34 (AC006403) putative prolylcarboxypeptidase, 5' partial [Arabidopsis thaliana]		

Seq. No.	47056	Seq. ID	OJ000217_01.0308.C5
Gene No.	100025	Strand	+
Start	1	End	351
Name	OJ000217_01.0308.C5.o1.np	Method	AAT/NAP
Start	1	End	258
GI	6598559	Score	193
Exons	1..52, 128..258		
GI Descrip.	(AC006403) putative prolylcarboxypeptidase [Arabidopsis thaliana]		

Seq. No.	47056	Seq. ID	OJ000217_01.0308.C5
Gene No.	100025	Strand	+
Start	1	End	351
Name	OJ000217_01.0308.C5.o1.gs	Method	GENSCAN
Start	128	End	264
GI	none	Score	.52
Exons	128..264		

Seq. No.	47056	Seq. ID	OJ000217_01.0308.C5
Gene No.	100026	Strand	-
Start	1039	End	1487
Name	OJ000217_01.0308.C5.o2.tm	Method	TBLASTX:Maize
Start	15	End	258
GI	none	Score	48
Exons	15..53, 15..74, 16..54, 108..257, 117..233, 127..258		

Seq. No.	47056	Seq. ID	OJ000217_01.0308.C5
Gene No.	100026	Strand	-
Start	1039	End	1487
Name	OJ000217_01.0308.C5.o2.gs	Method	GENSCAN
Start	1039	End	1487
GI	none	Score	.85

Exons	1039..1095, 1338..1487		
Seq. No.	47056	Seq. ID	OJ000217_01.0308.C5
Gene No.	100027	Strand	
Start	1585	End	1882
Name	OJ000217_01.0308.C5.o1.tm	Method	TBLASTX:Maize
Start	1585	End	1882
GI	none	Score	56
Exons	1585..1881, 1607..1750, 1672..1881, 1775..1882		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100028	Strand	+
Start	4240	End	5831
Name	OJ000217_01.0308.C6.o2.gs	Method	GENSCAN
Start	4240	End	5831
GI	none	Score	.6
Exons	4240..4332, 5083..5151, 5664..5831		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100029	Strand	+
Start	7068	End	12708
Name	OJ000217_01.0308.C6.o3.gs	Method	GENSCAN
Start	7068	End	12708
GI	none	Score	.69
Exons	7068..7152, 8371..8501, 8816..8890, 9358..9511, 9539..9634, 9929..10024, 11877..12187, 12523..12708		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100029	Strand	+
Start	7068	End	12708
Name	OJ000217_01.0308.C6.o2.np	Method	AAT/NAP
Start	8729	End	10258
GI	7485781	Score	339
Exons	8729..8890, 8978..9061, 9166..9255, 9756..9827, 9929..9996, 10108..10258		
GI Descrip.	hypothetical protein F19F24.15 - Arabidopsis thaliana gi|3004556|gb|AAC09029.1| (AC003673) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100029	Strand	+
Start	7068	End	12708
Name	OJ000217_01.0308.C6.o3.gp	Method	AAT/GAP
Start	11920	End	12111
GI	2443015	Score	339
Exons	11920..12111		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100030	Strand	+
Start	16461	End	24171
Name	OJ000217_01.0308.C6.o5.gs	Method	GENSCAN
Start	16461	End	24171
GI	none	Score	.71
Exons	16461..16564, 18092..18169, 18476..18760, 18800..18950, 19262..19417, 20596..20634, 20711..20791, 21479..21541, 21655..21714, 23306..23398, 24004..24171		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100030	Strand	+
Start	16461	End	24171
Name	OJ000217_01.0308.C6.o3.np	Method	AAT/NAP
Start	18764	End	21936
GI	7446248	Score	69
Exons	18764..18912, 21884..21936		
GI Descrip.	probable homeotic protein - rice gi|2935573|gb|AAC32817.1| (AF050180) KNOX class homeodomain protein [Oryza sativa] gi|4887610|dbj|BAA77818.1| (AB007624) homeobox gene [Oryza sativa] gi|5103729|dbj|BAA79226.1| (AB028885) knotted1-type homeobox protein OSH71 [Oryza sativa]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100030	Strand	+
Start	16461	End	24171
Name	OJ000217_01.0308.C6.o4.gp	Method	AAT/GAP
Start	19870	End	20077
GI	5005167	Score	88
Exons	19870..19895, 20006..20077		
GI Descrip.	140281/sp|P09363|YCX1_SOYBN 1.0e-32 HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) >gi_81821_pir__S05717 hypothetical protein 143 - soybean chloroplast >gi_11577_emb_CAA30522_ (X07675) ORF 143 [Glycine max]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100031	Strand	+
Start	31289	End	34677
Name	OJ000217_01.0308.C6.o7.gs	Method	GENSCAN
Start	31289	End	34061
GI	none	Score	.7
Exons	31289..31783, 32839..32959, 33422..33612, 33903..34061		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100031	Strand	+
Start	31289	End	34677
Name	OJ000217_01.0308.C6.o5.gp	Method	AAT/GAP
Start	31395	End	31692
GI	75625_1.R1084	Score	527
Exons	31395..31692		
GI Descrip.	'1346388/sp|P48001|HKL4_ARATH 8.0e-12 HOMEOBOX PROTEIN KNOTTED-1 LIKE 4 (KNAT4) >gi_1045044_emb_CAA63131_ (X92393) KNAT4 homeobox protein [Arabidopsis thaliana]'		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100031	Strand	+
Start	31289	End	34677
Name	OJ000217_01.0308.C6.o6.gp	Method	AAT/GAP
Start	32823	End	34677
GI	39_1.R1084	Score	2366
Exons	32823..32959, 33422..33612, 33687..33818, 33903..34677		
GI Descrip.	'4887618/dbj|BAA77822.1| 1.0e-110 (AB007628) homeobox gene [Oryza sativa]'		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100031	Strand	+
Start	31289	End	34677

Name	OJ000217_01.0308.C6.o4.np	Method	AAT/NAP
Start	32824	End	34058
GI	4887618	Score	965
Exons	32824..32959, 33422..33612, 33687..33818, 33903..34058		
GI Descrip.	(AB007628) homeobox gene [Oryza sativa]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100032	Strand	+
Start	50642	End	54018
Name	OJ000217_01.0308.C6.o10.gs	Method	GENSCAN
Start	50642	End	54018
GI	none	Score	.74
Exons	50642..50732, 51539..51640, 51865..51932, 52793..52988, 53163..53221, 53350..53442, 53487..53628, 53957..54018		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100033	Strand	+
Start	57297	End	60664
Name	OJ000217_01.0308.C6.o9.np	Method	AAT/NAP
Start	56711	End	60551
GI	4558665	Score	90
Exons	56711..56807, 57730..58069, 60446..60551		
GI Descrip.	(AC007063) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100033	Strand	+
Start	57297	End	60664
Name	OJ000217_01.0308.C6.o11.gs	Method	GENSCAN
Start	57297	End	60664
GI	none	Score	.47
Exons	57297..57329, 57851..58402, 58418..58548, 58585..58712, 58764..58851, 59926..60268, 60326..60511, 60614..60664		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100034	Strand	+
Start	67150	End	70026
Name	OJ000217_01.0308.C6.o11.gp	Method	AAT/GAP
Start	67072	End	70026
GI	1362_1.R1084	Score	2535
Exons	67072..67305, 68004..68104, 68190..68412, 68608..68801, 69177..69288, 69454..69567, 69651..70026		
GI Descrip.	'3402713 3.0e-77 (AC004261) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100034	Strand	+
Start	67150	End	70026
Name	OJ000217_01.0308.C6.o14.gs	Method	GENSCAN
Start	67150	End	69788
GI	none	Score	.97
Exons	67150..67305, 67350..67379, 68608..68801, 69177..69288, 69454..69567, 69651..69788		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100034	Strand	+
Start	67150	End	70026
Name	OJ000217_01.0308.C6.o10.np	Method	AAT/NAP

Start	67238	End	69297
GI	7487623	Score	605
Exons	67238..67428, 68004..68104, 68190..68412, 68608..68661, 68704..68801, 69174..69297		
GI Descrip.	hypothetical protein T3K9.19 - Arabidopsis thaliana gi|3402713|gb|AAD12007.1| (AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100035	Strand	-
Start	1593	End	3448
Name	OJ000217_01.0308.C6.o1.gp	Method	AAT/GAP
Start	1325	End	3448
GI	13595_1.R1084	Score	1411
Exons	1325..1670, 2947..3063, 3147..3448		
GI Descrip.	'132918/sp|P23326|RK35_SPIOL 3.0e-29 50S RIBOSOMAL PROTEIN L35, CHLOROPLAST PRECURSOR (CL35) >gi_81486_pir__A36107 ribosomal protein L35 precursor, chloroplast - spinach >gi_170139 (M60449) ribosomal protein L35 [Spinacia oleracea]'		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100035	Strand	-
Start	1593	End	3448
Name	OJ000217_01.0308.C6.o1.gs	Method	GENSCAN
Start	1593	End	3392
GI	none	Score	.82
Exons	1593..1670, 2947..3063, 3147..3392		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100035	Strand	-
Start	1593	End	3448
Name	OJ000217_01.0308.C6.o1.np	Method	AAT/NAP
Start	2922	End	3389
GI	3738336	Score	189
Exons	2922..3063, 3147..3389		
GI Descrip.	(AC005170) putative chloroplast ribosomal protein L35 [Arabidopsis thaliana]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100036	Strand	-
Start	7706	End	7867
Name	OJ000217_01.0308.C6.o2.gp	Method	AAT/GAP
Start	7706	End	7867
GI	18419_1.R1084	Score	234
Exons	7706..7867		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100037	Strand	-
Start	13908	End	14268
Name	OJ000217_01.0308.C6.o4.gs	Method	GENSCAN
Start	13908	End	14268
GI	none	Score	.9
Exons	13908..13961, 14236..14268		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6

Gene No.	100038	Strand	-
Start	26226	End	26469
Name	OJ000217_01.0308.C6.o6.gs	Method	GENSCAN
Start	26226	End	26469
GI	none	Score	.59
Exons	26226..26357, 26410..26469		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100039	Strand	-
Start	35251	End	38119
Name	OJ000217_01.0308.C6.o7.gp	Method	AAT/GAP
Start	35251	End	38054
GI	391_1.R1084	Score	2116
Exons	35251..35670, 35752..35838, 36275..36387, 36806..37049, 37557..37613, 37868..38054		
GI Descrip.	'4774163/dbj|BAA77508.1| 3.0e-62 (AB026909) F1-ATP synthase delta subunit [Ipomoea batatas]'		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100039	Strand	-
Start	35251	End	38119
Name	OJ000217_01.0308.C6.o5.np	Method	AAT/NAP
Start	35544	End	38119
GI	7543912	Score	435
Exons	35544..35670, 35752..35838, 36275..36387, 36806..37049, 37976..38119		
GI Descrip.	(AL163572) delta subunit of mitochondrial F1-ATPase [Arabidopsis thaliana]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100039	Strand	-
Start	35251	End	38119
Name	OJ000217_01.0308.C6.o8.gs	Method	GENSCAN
Start	35551	End	37619
GI	none	Score	.71
Exons	35551..35670, 35752..35838, 36275..36387, 36806..37049, 37557..37619		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100040	Strand	-
Start	39822	End	46741
Name	OJ000217_01.0308.C6.o9.gs	Method	GENSCAN
Start	39822	End	46557
GI	none	Score	.41
Exons	39822..39893, 40130..40282, 40642..40706, 41607..41732, 41866..41953, 42043..42165, 43159..43306, 43423..43586, 43660..43812, 44443..46557		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100040	Strand	-
Start	39822	End	46741
Name	OJ000217_01.0308.C6.o6.np	Method	AAT/NAP
Start	41539	End	46741
GI	7487762	Score	1168
Exons	41539..41732, 41866..41953, 42043..42165, 43159..43306, 43423..43582, 43656..43894, 44149..46741		
GI Descrip.	hypothetical protein T6H20.50 - Arabidopsis thaliana		

gi|5541667|emb|CAB51173.1| (AL096859) putative protein [Arabidopsis thaliana]

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100040	Strand	-
Start	39822	End	46741
Name	OJ000217_01.0308.C6.o7.np	Method	AAT/NAP
Start	42271	End	46741
GI	7487762	Score	686
Exons	42271..42301, 43159..43306, 43423..43582, 43656..43894, 44149..46741		
GI Descrip.	hypothetical protein T6H20.50 - Arabidopsis thaliana gi|5541667|emb|CAB51173.1| (AL096859) putative protein [Arabidopsis thaliana]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100040	Strand	-
Start	39822	End	46741
Name	OJ000217_01.0308.C6.o8.gp	Method	AAT/GAP
Start	44122	End	44647
GI	none	Score	764
Exons	44122..44190, 44283..44647		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100040	Strand	-
Start	39822	End	46741
Name	OJ000217_01.0308.C6.o9.gp	Method	AAT/GAP
Start	45689	End	46154
GI	none	Score	912
Exons	45689..46154		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100041	Strand	-
Start	52624	End	53719
Name	OJ000217_01.0308.C6.o8.np	Method	AAT/NAP
Start	52624	End	53719
GI	5295955	Score	351
Exons	52624..53233, 53311..53719		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100042	Strand	-
Start	60686	End	61166
Name	OJ000217_01.0308.C6.o10.gp	Method	AAT/GAP
Start	60686	End	61166
GI	none	Score	895
Exons	60686..61166		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100042	Strand	-
Start	60686	End	61166
Name	OJ000217_01.0308.C6.o12.gs	Method	GENSCAN
Start	60774	End	61082
GI	none	Score	.99
Exons	60774..61082		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o7.tm	Method	TBLASTX:Maize
Start	1456	End	3386
GI	none	Score	172
Exons	1456..1665, 1472..1630, 1509..1700, 2944..3066, 2945..3064, 3147..3173, 3273..3386, 3274..3378		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o8.ts	Method	TBLASTX:Soybean
Start	1599	End	3173
GI	none	Score	75
Exons	1599..1664, 1600..1665, 2947..3066, 2948..3064, 3147..3173, 3148..3171		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o4.tm	Method	TBLASTX:Maize
Start	8800	End	10381
GI	none	Score	99
Exons	8800..8895, 8804..8893, 8975..9043, 8977..9042, 9126..9245, 9147..9248, 9166..9258, 9361..9459, 9536..9634, 9750..9830, 9929..10030, 10136..10243, 10141..10242, 10322..10381, 10336..10380		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o4.ts	Method	TBLASTX:Soybean
Start	9199	End	10378
GI	none	Score	69
Exons	9199..9258, 9361..9459, 9536..9634, 9544..9663, 9750..9857, 9755..9817, 9913..10023, 9929..10024, 10106..10243, 10322..10378		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o2.tm	Method	TBLASTX:Maize
Start	31562	End	34398
GI	none	Score	199
Exons	31562..31675, 31564..31671, 31757..31783, 31763..31783, 32830..32892, 32839..32892, 32893..32961, 32893..32961, 32894..32962, 33418..33612, 33420..33575, 33421..33612, 33449..33613, 33684..33818, 33685..33819, 33686..33820, 33902..34042, 33903..34007, 33904..34068, 34121..34183, 34191..34259, 34360..34398		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o1.tc	Method	TBLASTX:Cress
Start	31568	End	34030
GI	none	Score	155

Exons	31568..31675, 31576..31665, 32838..32960, 32839..32961, 32842..32958, 33418..33507, 33420..33554, 33421..33531, 33439..33612, 33519..33566, 33684..33818, 33685..33819, 33731..33820, 33902..34030, 33903..34007		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o5.tw	Method	TBLASTX:Wheat
Start	31594	End	33492
GI	none	Score	94
Exons	31594..31671, 31595..31675, 31637..31675, 31757..31783, 32830..32958, 32838..32960, 32839..32961, 33418..33492, 33421..33492		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o7.ts	Method	TBLASTX:Soybean
Start	32833	End	32961
GI	none	Score	210
Exons	32833..32961, 32836..32961		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o1.ts	Method	TBLASTX:Soybean
Start	33442	End	34062
GI	none	Score	86
Exons	33442..33504, 33510..33566, 33511..33612, 33684..33818, 33686..33820, 33902..34042, 33903..34007, 33904..34062		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o1.tw	Method	TBLASTX:Wheat
Start	33493	End	34165
GI	none	Score	73
Exons	33493..33537, 33495..33554, 33496..33543, 33528..33566, 33529..33612, 33529..33612, 33684..33818, 33685..33819, 33686..33820, 33902..34054, 33903..34004, 33904..34071, 34121..34165, 34121..34165		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o6.tm	Method	TBLASTX:Maize
Start	35370	End	37922
GI	none	Score	175
Exons	35370..35438, 35481..35531, 35525..35671, 35533..35673, 35534..35671, 35539..35688, 35749..35802, 35751..35855, 35753..35803, 36275..36388, 36275..36388, 36276..36395, 36794..37051, 36798..37043, 36803..37054, 37554..37607, 37555..37608, 37778..37813, 37871..37921, 37875..37922		
Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-

Start	61425	End	66349
Name	OJ000217_01.0308.C6.o6.tc	Method	TBLASTX:Cress
Start	35536	End	37050
GI	none	Score	74
Exons	35536..35673, 35557..35673, 35558..35689, 35743..35802, 36275..36388, 36276..36383, 36798..37040, 36808..37050		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o3.tw	Method	TBLASTX:Wheat
Start	36822	End	37925
GI	none	Score	265
Exons	36822..37052, 36822..37043, 36839..37054, 37871..37924, 37875..37925		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o1.tm	Method	TBLASTX:Maize
Start	41057	End	44761
GI	none	Score	58
Exons	41057..41116, 41141..41179, 41239..41295, 41253..41294, 41327..41374, 41373..41414, 41376..41417, 41569..41733, 41570..41734, 41857..41955, 41864..41956, 41865..41954, 42032..42166, 42033..42167, 42040..42165, 42041..42166, 43156..43308, 43157..43309, 43158..43277, 43159..43305, 43390..43515, 43422..43523, 43423..43524, 43527..43586, 43528..43587, 43660..43818, 43660..43818, 43913..43966, 43919..43966, 44036..44191, 44040..44192, 44317..44469, 44318..44482, 44319..44477, 44320..44478, 44538..44570, 44542..44607, 44608..44760, 44608..44760, 44675..44761		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o2.ts	Method	TBLASTX:Soybean
Start	41581	End	43822
GI	none	Score	109
Exons	41581..41733, 41585..41734, 41864..41956, 41865..41954, 42032..42166, 42040..42165, 42041..42166, 43156..43308, 43159..43308, 43332..43367, 43356..43580, 43411..43581, 43660..43818, 43664..43774, 43664..43822, 43687..43815		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o3.tc	Method	TBLASTX:Cress
Start	41584	End	42166
GI	none	Score	104
Exons	41584..41694, 41587..41733, 41588..41734, 41864..41956, 41865..41954, 42032..42166, 42040..42165, 42068..42166		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o4.tw	Method	TBLASTX:Wheat

Start	41638	End	42168
GI	none	Score	103
Exons	41638..41733, 41639..41734, 41864..41956, 41865..41954, 42037..42168, 42040..42165, 42080..42166		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o2.tc	Method	TBLASTX:Cress
Start	43183	End	43732
GI	none	Score	94
Exons	43183..43308, 43189..43308, 43223..43309, 43420..43581, 43422..43583, 43426..43593, 43657..43725, 43657..43731, 43661..43732		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o2.tw	Method	TBLASTX:Wheat
Start	43239	End	44071
GI	none	Score	52
Exons	43239..43307, 43240..43308, 43241..43309, 43386..43586, 43390..43587, 43422..43586, 43423..43587, 43660..43833, 43660..43839, 43890..43964, 43892..43966, 43892..43966, 44036..44071		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o3.tm	Method	TBLASTX:Maize
Start	44911	End	45449
GI	none	Score	94
Exons	44911..44991, 44912..44995, 44912..44995, 44968..45219, 45017..45220, 45018..45158, 45027..45293, 45094..45207, 45256..45360, 45256..45363, 45258..45395, 45267..45395, 45372..45443, 45387..45449, 45413..45448		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o6.tw	Method	TBLASTX:Wheat
Start	44989	End	45358
GI	none	Score	85
Exons	44989..45219, 45008..45220, 45050..45262, 45051..45221, 45264..45308, 45265..45333, 45317..45358		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o5.ts	Method	TBLASTX:Soybean
Start	46204	End	46521
GI	none	Score	149
Exons	46204..46344, 46372..46521		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349

Name	OJ000217_01.0308.C6.o5.tc	Method	TBLASTX:Cress
Start	46234	End	46518
GI	none	Score	157
Exons	46234..46344, 46354..46518		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o8.tm	Method	TBLASTX:Maize
Start	46246	End	46521
GI	none	Score	77
Exons	46246..46356, 46255..46341, 46369..46521, 46418..46450		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100043	Strand	-
Start	61425	End	66349
Name	OJ000217_01.0308.C6.o13.gs	Method	GENSCAN
Start	61425	End	66349
GI	none	Score	.51
Exons	61425..61666, 62701..63065, 65473..65536, 66217..66349		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100044	Strand	
Start	68000	End	68343
Name	OJ000217_01.0308.C6.o4.tc	Method	TBLASTX:Cress
Start	68000	End	68343
GI	none	Score	132
Exons	68000..68104, 68004..68105, 68194..68343, 68196..68342		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100044	Strand	
Start	68000	End	68343
Name	OJ000217_01.0308.C6.o6.ts	Method	TBLASTX:Soybean
Start	68019	End	68298
GI	none	Score	126
Exons	68019..68105, 68033..68104, 68190..68291, 68191..68298		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100045	Strand	
Start	68368	End	69809
Name	OJ000217_01.0308.C6.o9.tm	Method	TBLASTX:Maize
Start	68368	End	68745
GI	none	Score	82
Exons	68368..68412, 68605..68745, 68606..68743, 68607..68744		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100045	Strand	
Start	68368	End	69809
Name	OJ000217_01.0308.C6.o3.ts	Method	TBLASTX:Soybean
Start	68589	End	69537
GI	none	Score	88
Exons	68589..68801, 68590..68802, 68613..68801, 69178..69294, 69183..69290, 69454..69537		

Seq. No.	47057	Seq. ID	OJ000217_01.0308.C6
Gene No.	100045	Strand	
Start	68368	End	69809

Name	OJ000217_01.0308.C6.o5.tm	Method	TBLASTX:Maize
Start	68746	End	69809
GI	none	Score	73
Exons	68746..68799, 69162..69290, 69169..69294, 69453..69566, 69453..69566, 69454..69570, 69648..69809, 69648..69782, 69710..69808		

Seq. No.	47058	Seq. ID	OJ000217_01.0308.C7
Gene No.	100046	Strand	+
Start	85	End	3065
Name	OJ000217_01.0308.C7.o1.np	Method	AAT/NAP
Start	85	End	3065
GI	6714281	Score	214
Exons	85..106, 1572..1705, 2646..2711, 2794..2891, 3001..3065		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		

Seq. No.	47058	Seq. ID	OJ000217_01.0308.C7
Gene No.	100046	Strand	+
Start	85	End	3065
Name	OJ000217_01.0308.C7.o1.gs	Method	GENSCAN
Start	358	End	2836
GI	none	Score	.94
Exons	358..409, 1572..1684, 2646..2708, 2794..2836		

Seq. No.	47059	Seq. ID	OJ000217_01.0308.C8
Gene No.	100047	Strand	+
Start	1	End	921
Name	OJ000217_01.0308.C8.o1.np	Method	AAT/NAP
Start	1	End	866
GI	6714281	Score	342
Exons	1..22, 513..866		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		

Seq. No.	47059	Seq. ID	OJ000217_01.0308.C8
Gene No.	100047	Strand	+
Start	1	End	921
Name	OJ000217_01.0308.C8.o1.tm	Method	TBLASTX:Maize
Start	498	End	921
GI	none	Score	376
Exons	498..863, 510..857, 877..918, 883..921		

Seq. No.	47059	Seq. ID	OJ000217_01.0308.C8
Gene No.	100047	Strand	+
Start	1	End	921
Name	OJ000217_01.0308.C8.o1.gp	Method	AAT/GAP
Start	511	End	584
GI	none	Score	133
Exons	511..584		

Seq. No.	47059	Seq. ID	OJ000217_01.0308.C8
Gene No.	100047	Strand	+
Start	1	End	921
Name	OJ000217_01.0308.C8.o1.gs	Method	GENSCAN
Start	513	End	863
GI	none	Score	.54
Exons	513..863		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100048	Strand	+
Start	207	End	5318
Name	OJ000217_01.0308.C9.o1.gs	Method	GENSCAN
Start	207	End	5318
GI	none	Score	.86
Exons	207..294, 387..517, 549..850, 1208..1492, 1593..1651, 1756..1792, 2663..3436, 3720..3803, 3955..4315, 5076..5318		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100048	Strand	+
Start	207	End	5318
Name	OJ000217_01.0308.C9.o1.np	Method	AAT/NAP
Start	1552	End	3380
GI	4734014	Score	624
Exons	1552..1651, 1756..1792, 1883..1954, 2663..3380		
GI Descrip.	(AC007112) unknown protein [Arabidopsis thaliana]		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100049	Strand	+
Start	12131	End	12717
Name	OJ000217_01.0308.C9.o1.gp	Method	AAT/GAP
Start	12077	End	12448
GI	none	Score	736
Exons	12077..12448		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100049	Strand	+
Start	12131	End	12717
Name	OJ000217_01.0308.C9.o3.gs	Method	GENSCAN
Start	12131	End	12717
GI	none	Score	.98
Exons	12131..12717		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100049	Strand	+
Start	12131	End	12717
Name	OJ000217_01.0308.C9.o3.np	Method	AAT/NAP
Start	12131	End	12344
GI	6730731	Score	189
Exons	12131..12344		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100050	Strand	-
Start	2767	End	6571
Name	OJ000217_01.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	1849	End	3242
GI	none	Score	67
Exons	1849..1953, 1877..1960, 1884..1997, 2645..2797, 2661..2813, 2889..3242, 2894..2944, 3011..3241		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100050	Strand	-
Start	2767	End	6571
Name	OJ000217_01.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	2660	End	3242

GI	none	Score	157
Exons	2660..2803, 2661..2813, 2889..3026, 3023..3214, 3048..3242		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100050	Strand	-
Start	2767	End	6571
Name	OJ000217_01.0308.C9.o2.np	Method	AAT/NAP
Start	2767	End	6571
GI	6721547	Score	87
Exons	2767..2816, 6487..6571		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100051	Strand	
Start	12130	End	12652
Name	OJ000217_01.0308.C9.o2.ts	Method	TBLASTX:Soybean
Start	12130	End	12316
GI	none	Score	225
Exons	12130..12315, 12131..12316		

Seq. No.	47060	Seq. ID	OJ000217_01.0308.C9
Gene No.	100051	Strand	
Start	12130	End	12652
Name	OJ000217_01.0308.C9.o2.tm	Method	TBLASTX:Maize
Start	12136	End	12652
GI	none	Score	266
Exons	12136..12315, 12137..12316, 12385..12429, 12485..12574, 12557..12652		

Seq. No.	47061	Seq. ID	OJ000217_01.0308.C12
Gene No.	100052	Strand	-
Start	1	End	1366
Name	OJ000217_01.0308.C12.o1.np	Method	AAT/NAP
Start	1	End	1366
GI	6598559	Score	335
Exons	1..81, 155..310, 505..628, 1344..1366		
GI Descrip.	(AC006403) putative prolylcarboxypeptidase [Arabidopsis thaliana]		

Seq. No.	47061	Seq. ID	OJ000217_01.0308.C12
Gene No.	100052	Strand	-
Start	1	End	1366
Name	OJ000217_01.0308.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	331
GI	none	Score	105
Exons	1..84, 7..144, 11..91, 140..322, 140..331		

Seq. No.	47061	Seq. ID	OJ000217_01.0308.C12
Gene No.	100052	Strand	-
Start	1	End	1366
Name	OJ000217_01.0308.C12.o1.gp	Method	AAT/GAP
Start	32	End	316
GI	12281_1.R1084	Score	312
Exons	32..81, 155..316		
GI Descrip.	'4337187/gb|AAD18101| 4.0e-34 (AC006403) putative prolylcarboxypeptidase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	47061	Seq. ID	OJ000217_01.0308.C12
Gene No.	100052	Strand	-
Start	1	End	1366
Name	OJ000217_01.0308.C12.o1.gs	Method	GENSCAN
Start	155	End	310
GI	none	Score	.56
Exons	155..310		

Seq. No.	47061	Seq. ID	OJ000217_01.0308.C12
Gene No.	100052	Strand	-
Start	1	End	1366
Name	OJ000217_01.0308.C12.o2.tm	Method	TBLASTX:Maize
Start	502	End	634
GI	none	Score	119
Exons	502..624, 502..630, 506..634		

Seq. No.	47062	Seq. ID	OJ000117_08.0310.C1
Gene No.	100053	Strand	-
Start	185	End	403
Name	OJ000117_08.0310.C1.o1.np	Method	AAT/NAP
Start	185	End	400
GI	3915635	Score	112
Exons	185..400		
GI Descrip.	CYCLIN DELTA-1 gi|2995130|emb|CAA58285| (X83369) cyclin delta-1 [Arabidopsis thaliana]		

Seq. No.	47062	Seq. ID	OJ000117_08.0310.C1
Gene No.	100053	Strand	-
Start	185	End	403
Name	OJ000117_08.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	186	End	371
GI	none	Score	81
Exons	186..365, 190..300, 207..371		

Seq. No.	47062	Seq. ID	OJ000117_08.0310.C1
Gene No.	100053	Strand	-
Start	185	End	403
Name	OJ000117_08.0310.C1.o1.tc	Method	TBLASTX:Cress
Start	189	End	389
GI	none	Score	63
Exons	189..389, 207..341		

Seq. No.	47062	Seq. ID	OJ000117_08.0310.C1
Gene No.	100053	Strand	-
Start	185	End	403
Name	OJ000117_08.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	189	End	403
GI	none	Score	69
Exons	189..401, 227..403, 241..387		

Seq. No.	47063	Seq. ID	OJ000117_08.0310.C4
Gene No.	100054	Strand	+
Start	480	End	632
Name	OJ000117_08.0310.C4.o1.gs	Method	GENSCAN
Start	480	End	632
GI	none	Score	.48
Exons	480..632		

Seq. No.	47064	Seq. ID	OJ000117_08.0310.C5
Gene No.	100055	Strand	+
Start	350	End	1363
Name	OJ000117_08.0310.C5.o1.gs	Method	GENSCAN
Start	350	End	1363
GI	none	Score	.84
Exons	350..679, 1196..1363		

Seq. No.	47065	Seq. ID	OJ000117_08.0310.C6
Gene No.	100056	Strand	+
Start	3017	End	3947
Name	OJ000117_08.0310.C6.o1.gs	Method	GENSCAN
Start	3017	End	3947
GI	none	Score	.71
Exons	3017..3368, 3841..3947		

Seq. No.	47065	Seq. ID	OJ000117_08.0310.C6
Gene No.	100057	Strand	+
Start	4769	End	5269
Name	OJ000117_08.0310.C6.o2.gs	Method	GENSCAN
Start	4769	End	5269
GI	none	Score	.96
Exons	4769..5026, 5039..5269		

Seq. No.	47065	Seq. ID	OJ000117_08.0310.C6
Gene No.	100058	Strand	
Start	5219	End	5430
Name	OJ000117_08.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	5219	End	5418
GI	none	Score	276
Exons	5219..5416, 5220..5417, 5221..5418, 5221..5418		

Seq. No.	47065	Seq. ID	OJ000117_08.0310.C6
Gene No.	100058	Strand	
Start	5219	End	5430
Name	OJ000117_08.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	5219	End	5430
GI	none	Score	161
Exons	5219..5347, 5219..5347, 5220..5348, 5221..5361, 5356..5418, 5362..5430, 5364..5429		

Seq. No.	47066	Seq. ID	OJ000117_08.0310.C7
Gene No.	100059	Strand	-
Start	5966	End	6041
Name	OJ000117_08.0310.C7.o2.gs	Method	GENSCAN
Start	5966	End	6041
GI	none	Score	.62
Exons	5966..6041		

Seq. No.	47067	Seq. ID	OJ000117_08.0310.C8
Gene No.	100060	Strand	-
Start	1245	End	1913
Name	OJ000117_08.0310.C8.o1.gs	Method	GENSCAN
Start	1245	End	1913
GI	none	Score	1
Exons	1245..1913		

Seq. No.	47068	Seq. ID	OJ000117_08.0310.C9
Gene No.	100061	Strand	+
Start	29	End	816
Name	OJ000117_08.0310.C9.o1.gs	Method	GENSCAN
Start	29	End	816
GI	none	Score	.92
Exons	29..75, 741..816		

Seq. No.	47069	Seq. ID	OJ000117_08.0310.C10
Gene No.	100062	Strand	+
Start	3686	End	6507
Name	OJ000117_08.0310.C10.o1.np	Method	AAT/NAP
Start	3686	End	6507
GI	6815107	Score	533
Exons	3686..3805, 5024..6032, 6061..6214, 6332..6507		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	47069	Seq. ID	OJ000117_08.0310.C10
Gene No.	100063	Strand	-
Start	7282	End	8875
Name	OJ000117_08.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	5614	End	5922
GI	none	Score	199
Exons	5614..5922		

Seq. No.	47069	Seq. ID	OJ000117_08.0310.C10
Gene No.	100063	Strand	-
Start	7282	End	8875
Name	OJ000117_08.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	5614	End	6030
GI	none	Score	278
Exons	5614..6030, 5614..5820, 5616..5960		

Seq. No.	47069	Seq. ID	OJ000117_08.0310.C10
Gene No.	100063	Strand	-
Start	7282	End	8875
Name	OJ000117_08.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	5673	End	6030
GI	none	Score	69
Exons	5673..5879, 5673..5936, 5674..6030, 5674..5946		

Seq. No.	47069	Seq. ID	OJ000117_08.0310.C10
Gene No.	100063	Strand	-
Start	7282	End	8875
Name	OJ000117_08.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	6627	End	6937
GI	none	Score	72
Exons	6627..6743, 6632..6937, 6632..6775		

Seq. No.	47069	Seq. ID	OJ000117_08.0310.C10
Gene No.	100063	Strand	-
Start	7282	End	8875
Name	OJ000117_08.0310.C10.o3.np	Method	AAT/NAP
Start	7282	End	8875
GI	6678581	Score	38

Exons	7282..7306, 8485..8875
GI Descrip.	Wiskott-Aldrich syndrome protein gi|2499130|sp|P70315|WASP_MOUSE WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG (WASP) gi|1314755|gb|AAC52556.1| (U54788) Wiskott-Aldrich Syndrome Protein [Mus musculus] gi|4096355|gb|AAC99855.1| (U29673) Wiskott-Aldrich syndrome protein (WASP) [Mus musculus] gi|1584081|prf||2122283A Wiskott-Aldrich syndrome protein [Mus musculus]

Seq. No.	47070	Seq. ID	OJ000117_08.0310.C11
Gene No.	100064	Strand	+
Start	1219	End	1620
Name	OJ000117_08.0310.C11.o1.gs	Method	GENSCAN
Start	1219	End	1620
GI	none	Score	.87
Exons	1219..1620		

Seq. No.	47071	Seq. ID	OJ000117_08.0310.C12
Gene No.	100065	Strand	+
Start	130	End	1932
Name	OJ000117_08.0310.C12.o1.gs	Method	GENSCAN
Start	130	End	1371
GI	none	Score	.67
Exons	130..263, 418..697, 1159..1371		

Seq. No.	47071	Seq. ID	OJ000117_08.0310.C12
Gene No.	100065	Strand	+
Start	130	End	1932
Name	OJ000117_08.0310.C12.o1.np	Method	AAT/NAP
Start	503	End	1932
GI	7340909	Score	168
Exons	503..659, 1482..1932		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47071	Seq. ID	OJ000117_08.0310.C12
Gene No.	100066	Strand	-
Start	1827	End	1958
Name	OJ000117_08.0310.C12.o2.gs	Method	GENSCAN
Start	1827	End	1958
GI	none	Score	.96
Exons	1827..1958		

Seq. No.	47072	Seq. ID	OJ000117_08.0310.C13
Gene No.	100067	Strand	+
Start	1780	End	4587
Name	OJ000117_08.0310.C13.o2.np	Method	AAT/NAP
Start	1780	End	4587
GI	7106528	Score	79
Exons	1780..1873, 4469..4587		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47072	Seq. ID	OJ000117_08.0310.C13
Gene No.	100068	Strand	-
Start	1	End	3562
Name	OJ000117_08.0310.C13.o1.np	Method	AAT/NAP
Start	1	End	1895

GI	7340909	Score	131
Exons	1..42, 228..601, 1867..1895		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47072	Seq. ID	OJ000117_08.0310.C13
Gene No.	100068	Strand	-
Start	1	End	3562
Name	OJ000117_08.0310.C13.o1.gs	Method	GENSCAN
Start	47	End	3562
GI	none	Score	.87
Exons	47..271, 2140..2263, 3516..3562		

Seq. No.	47073	Seq. ID	OJ000117_08.0310.C14
Gene No.	100069	Strand	+
Start	792	End	4799
Name	OJ000117_08.0310.C14.o1.gs	Method	GENSCAN
Start	792	End	4231
GI	none	Score	.63
Exons	792..898, 3228..3432, 3572..3768, 3874..4042, 4121..4231		

Seq. No.	47073	Seq. ID	OJ000117_08.0310.C14
Gene No.	100069	Strand	+
Start	792	End	4799
Name	OJ000117_08.0310.C14.o1.np	Method	AAT/NAP
Start	2033	End	4799
GI	6498434	Score	106
Exons	2033..2063, 3220..3326, 3460..3624, 3667..3768, 4165..4192, 4766..4799		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	47073	Seq. ID	OJ000117_08.0310.C14
Gene No.	100069	Strand	+
Start	792	End	4799
Name	OJ000117_08.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	2213	End	2724
GI	none	Score	70
Exons	2213..2299, 2213..2329, 2278..2724, 2344..2400, 2390..2659, 2398..2721		

Seq. No.	47074	Seq. ID	OJ000117_08.0310.C16
Gene No.	100070	Strand	-
Start	1	End	1437
Name	OJ000117_08.0310.C16.o1.np	Method	AAT/NAP
Start	1	End	1437
GI	6006374	Score	1606
Exons	1..1437		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	47074	Seq. ID	OJ000117_08.0310.C16
Gene No.	100070	Strand	-
Start	1	End	1437
Name	OJ000117_08.0310.C16.o1.gs	Method	GENSCAN
Start	1110	End	1437
GI	none	Score	.54
Exons	1110..1437		

Seq. No.	47075	Seq. ID	OJ000117_08.0310.C17
Gene No.	100071	Strand	-
Start	1	End	120
Name	OJ000117_08.0310.C17.o1.gp	Method	AAT/GAP
Start	1	End	120
GI	LIB3477-003-P1-K1-E9	Score	164
Exons	1..120		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47076	Seq. ID	OJ000117_08.0310.C18
Gene No.	100072	Strand	-
Start	1183	End	10534
Name	OJ000117_08.0310.C18.o1.gs	Method	GENSCAN
Start	1183	End	6536
GI	none	Score	.74
Exons	1183..1298, 1385..1501, 1699..1815, 1920..2233, 2740..2882, 3232..3564, 4429..4474, 4488..4606, 5014..5150, 6512..6536		

Seq. No.	47076	Seq. ID	OJ000117_08.0310.C18
Gene No.	100072	Strand	-
Start	1183	End	10534
Name	OJ000117_08.0310.C18.o1.np	Method	AAT/NAP
Start	2606	End	10534
GI	5295955	Score	667
Exons	2606..3168, 3281..3743, 4429..4542, 5082..5150, 7923..8091, 10084..10534		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	47076	Seq. ID	OJ000117_08.0310.C18
Gene No.	100072	Strand	-
Start	1183	End	10534
Name	OJ000117_08.0310.C18.o2.gs	Method	GENSCAN
Start	7818	End	10471
GI	none	Score	.79
Exons	7818..8490, 8562..8690, 10142..10471		

Seq. No.	47077	Seq. ID	OJ000117_08.0310.C19
Gene No.	100073	Strand	+
Start	2011	End	2556
Name	OJ000117_08.0310.C19.o1.np	Method	AAT/NAP
Start	2011	End	2556
GI	6448480	Score	58
Exons	2011..2253, 2470..2556		
GI Descrip.	(AJ250396) cyclin D1 [Antirrhinum majus]		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100074	Strand	+
Start	1089	End	11922
Name	OJ000117_08.0310.C20.o2.np	Method	AAT/NAP
Start	1089	End	11922
GI	1076556	Score	162
Exons	1089..1196, 3819..3972, 4144..4345, 5456..5510, 11628..11693, 11791..11922		
GI Descrip.	extensin-like protein - cowpea (fragment)		

gi|791148|emb|CAA60021| (X86029) extensin-like protein [Vigna unguiculata]

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100074	Strand	+
Start	1089	End	11922
Name	OJ000117_08.0310.C20.o1.gs	Method	GENSCAN
Start	1707	End	6127
GI	none	Score	.43
Exons	1707..1763, 2020..2101, 2548..2696, 3060..3301, 3467..4107, 4271..4402, 4672..4777, 4858..4891, 5373..5552, 5969..6127		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100074	Strand	+
Start	1089	End	11922
Name	OJ000117_08.0310.C20.o1.np	Method	AAT/NAP
Start	3154	End	4421
GI	7106508	Score	122
Exons	3154..3401, 3548..3972, 4300..4421		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100075	Strand	+
Start	14080	End	18463
Name	OJ000117_08.0310.C20.o3.gs	Method	GENSCAN
Start	14080	End	18463
GI	none	Score	.42
Exons	14080..14200, 14232..14373, 17584..17602, 18266..18463		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100076	Strand	+
Start	27802	End	28340
Name	OJ000117_08.0310.C20.o5.gs	Method	GENSCAN
Start	27802	End	28340
GI	none	Score	.76
Exons	27802..28012, 28126..28340		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100077	Strand	-
Start	9392	End	9651
Name	OJ000117_08.0310.C20.o1.gp	Method	AAT/GAP
Start	9392	End	9651
GI	LIB3431-010-P1-N1-F11	Score	457
Exons	9392..9651		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100078	Strand	-
Start	11075	End	11982
Name	OJ000117_08.0310.C20.o2.gs	Method	GENSCAN
Start	11075	End	11859
GI	none	Score	.96
Exons	11075..11185, 11286..11425, 11541..11859		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100078	Strand	-

Start	11075	End	11982
Name	OJ000117_08.0310.C20.o2.gp	Method	AAT/GAP
Start	11730	End	11982
GI	none	Score	349
Exons	11730..11982		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100079	Strand	-
Start	19127	End	26207
Name	OJ000117_08.0310.C20.o4.gs	Method	GENSCAN
Start	19127	End	26187
GI	none	Score	.62
Exons	19127..19231, 19536..19733, 20659..20713, 21615..21770, 23021..23145, 23248..23408, 23512..23589, 23777..23868, 23978..24036, 24122..24208, 24291..24387, 24479..24663, 24901..24976, 25135..25235, 25329..25505, 25690..25874, 26076..26187		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100079	Strand	-
Start	19127	End	26207
Name	OJ000117_08.0310.C20.o3.np	Method	AAT/NAP
Start	22930	End	26207
GI	4249382	Score	1788
Exons	22930..23145, 23248..23408, 23512..23589, 23777..23868, 23978..24036, 24122..24208, 24291..24387, 24479..24663, 24753..24812, 24901..24976, 25135..25250, 25329..25505, 25690..25787, 26076..26207		
GI Descrip.	(AC005966) Strong similarity to gi|3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb|AC004481. [Arabidopsis thaliana]		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100080	Strand	-
Start	28605	End	28913
Name	OJ000117_08.0310.C20.o1.tm	Method	TBLASTX:Maize
Start	22924	End	26125
GI	none	Score	221
Exons	22924..23145, 22931..23146, 22937..23161, 23236..23409, 23248..23415, 23510..23590, 23511..23591, 23757..23867, 23757..23867, 23776..23868, 23977..24039, 23978..24043, 24120..24209, 24122..24217, 24123..24209, 24291..24386, 24292..24387, 24298..24387, 24478..24654, 24478..24663, 24482..24673, 24747..24821, 24772..24813, 24880..24978, 24881..24979, 24899..24997, 25116..25235, 25132..25233, 25332..25505, 25357..25506, 25690..25794, 25697..25795, 26077..26124, 26078..26125		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100080	Strand	-
Start	28605	End	28913
Name	OJ000117_08.0310.C20.o1.ts	Method	TBLASTX:Soybean
Start	22925	End	26188
GI	none	Score	207
Exons	22925..23041, 22927..23145, 22931..23146, 23248..23403, 23248..23415, 23510..23590, 23511..23591, 23757..23867, 23776..23868, 23977..24039, 23978..24043, 24120..24209,		

24122..24217, 24123..24209, 24258..24404, 24291..24386,
24499..24657, 24499..24666, 24500..24667, 24735..24812,
24757..24813, 24880..24978, 24881..24979, 25116..25241,
25135..25236, 25329..25505, 25357..25506, 25688..25795,
25689..25787, 25690..25794, 25691..25795, 26041..26187,
26078..26188

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100080	Strand	-
Start	28605	End	28913
Name	OJ000117_08.0310.C20.o1.tc	Method	TBLASTX:Cress
Start	22927	End	24160
GI	none	Score	194
Exons	22927..23145, 22931..23155, 22937..23161, 23248..23409, 23248..23415, 23510..23590, 23511..23591, 23757..23894, 23776..23937, 23977..24039, 24104..24160		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100080	Strand	-
Start	28605	End	28913
Name	OJ000117_08.0310.C20.o1.tw	Method	TBLASTX:Wheat
Start	23002	End	23817
GI	none	Score	143
Exons	23002..23145, 23003..23146, 23003..23161, 23071..23154, 23248..23409, 23248..23415, 23249..23416, 23504..23545, 23510..23608, 23511..23600, 23757..23816, 23776..23817		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100080	Strand	-
Start	28605	End	28913
Name	OJ000117_08.0310.C20.o2.tc	Method	TBLASTX:Cress
Start	24161	End	24667
GI	none	Score	67
Exons	24161..24217, 24162..24209, 24169..24228, 24291..24386, 24292..24387, 24298..24387, 24300..24389, 24453..24629, 24469..24630, 24478..24666, 24479..24667		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100080	Strand	-
Start	28605	End	28913
Name	OJ000117_08.0310.C20.o3.tc	Method	TBLASTX:Cress
Start	25141	End	26173
GI	none	Score	91
Exons	25141..25239, 25141..25239, 25143..25256, 25329..25511, 25329..25514, 25357..25515, 25690..25794, 26041..26172, 26081..26173		

Seq. No.	47078	Seq. ID	OJ000117_08.0310.C20
Gene No.	100080	Strand	-
Start	28605	End	28913
Name	OJ000117_08.0310.C20.o6.gs	Method	GENSCAN
Start	28605	End	28913
GI	none	Score	.87
Exons	28605..28705, 28835..28913		

Seq. No.	47079	Seq. ID	OJ000117_08.0310.C22
Gene No.	100081	Strand	+

Start	101	End	485
Name	OJ000117_08.0310.C22.o1.gs	Method	GENSCAN
Start	101	End	485
GI	none	Score	.57
Exons	101..392, 429..485		

Seq. No.	47079	Seq. ID	OJ000117_08.0310.C22
Gene No.	100082	Strand	+
Start	5530	End	7372
Name	OJ000117_08.0310.C22.o1.np	Method	AAT/NAP
Start	5530	End	7372
GI	6721516	Score	531
Exons	5530..5778, 6193..6563, 7233..7372		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	47079	Seq. ID	OJ000117_08.0310.C22
Gene No.	100083	Strand	-
Start	6287	End	8876
Name	OJ000117_08.0310.C22.o2.np	Method	AAT/NAP
Start	6287	End	8876
GI	7340909	Score	127
Exons	6287..6435, 7230..7577, 8836..8876		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47080	Seq. ID	OJ000117_08.0310.C23
Gene No.	100084	Strand	+
Start	3	End	1286
Name	OJ000117_08.0310.C23.o1.gs	Method	GENSCAN
Start	3	End	1286
GI	none	Score	.63
Exons	3..169, 903..1286		

Seq. No.	47081	Seq. ID	OJ000307_07.0330.C2
Gene No.	100085	Strand	+
Start	1306	End	1398
Name	OJ000307_07.0330.C2.o1.gp	Method	AAT/GAP
Start	1306	End	1398
GI	uC-osflcyp064a11b1	Score	130
Exons	1306..1398		
GI Descrip.	'951166 2.0e-30 (U31451) invertase [Zea mays]'		

Seq. No.	47081	Seq. ID	OJ000307_07.0330.C2
Gene No.	100086	Strand	-
Start	4205	End	4822
Name	OJ000307_07.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	548	End	4683
GI	none	Score	116
Exons	548..625, 553..627, 553..624, 715..966, 717..965, 718..969, 912..968, 1074..1175, 1085..1180, 1086..1202, 1304..1384, 1309..1386, 1309..1383, 1310..1384, 1721..1807, 1737..1814, 1751..1807, 2959..3099, 2997..3086, 3182..3250, 4136..4237, 4137..4235, 4138..4254, 4567..4683		

Seq. No.	47081	Seq. ID	OJ000307_07.0330.C2
Gene No.	100086	Strand	-
Start	4205	End	4822
Name	OJ000307_07.0330.C2.o1.ts	Method	TBLASTX:Soybean

Start	552	End	1808
GI	none	Score	41
Exons	552..602, 553..630, 554..643, 706..771, 715..966, 716..964, 874..969, 1074..1181, 1074..1178, 1085..1180, 1087..1188, 1304..1384, 1309..1386, 1309..1383, 1737..1808, 1751..1807		

Seq. No.	47081	Seq. ID	OJ000307_07.0330.C2
Gene No.	100086	Strand	-
Start	4205	End	4822
Name	OJ000307_07.0330.C2.o1.tc	Method	TBLASTX:Cress
Start	796	End	1808
GI	none	Score	94
Exons	796..966, 836..964, 1085..1180, 1086..1181, 1304..1384, 1309..1386, 1309..1383, 1737..1808, 1751..1807		

Seq. No.	47081	Seq. ID	OJ000307_07.0330.C2
Gene No.	100086	Strand	-
Start	4205	End	4822
Name	OJ000307_07.0330.C2.o3.gp	Method	AAT/GAP
Start	4205	End	4822
GI	568812	Score	523
Exons	4205..4234, 4573..4822		

Seq. No.	47081	Seq. ID	OJ000307_07.0330.C2
Gene No.	100087	Strand	
Start	12304	End	12496
Name	OJ000307_07.0330.C2.o2.tc	Method	TBLASTX:Cress
Start	12304	End	12496
GI	none	Score	108
Exons	12304..12492, 12407..12496		

Seq. No.	47082	Seq. ID	OJ000307_07.0330.C4
Gene No.	100088	Strand	
Start	893	End	1246
Name	OJ000307_07.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	893	End	1246
GI	none	Score	210
Exons	893..1246		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o2.ts	Method	TBLASTX:Soybean
Start	735	End	1158
GI	none	Score	208
Exons	735..998, 737..985, 980..1087, 1031..1078, 1055..1147, 1075..1158, 1075..1146		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o3.tw	Method	TBLASTX:Wheat
Start	735	End	1137
GI	none	Score	204
Exons	735..977, 737..988, 980..1087, 1075..1137		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5

Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	1022	End	1383
GI	none	Score	62
Exons	1022..1087, 1072..1383		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	1234	End	1664
GI	none	Score	182
Exons	1234..1389, 1261..1380, 1386..1664, 1388..1654		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	1398	End	1946
GI	none	Score	275
Exons	1398..1811, 1490..1810, 1803..1946		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o4.ts	Method	TBLASTX:Soybean
Start	1524	End	1859
GI	none	Score	71
Exons	1524..1589, 1589..1804, 1590..1859		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o2.tw	Method	TBLASTX:Wheat
Start	1664	End	1979
GI	none	Score	373
Exons	1664..1825, 1668..1979, 1669..1938, 1847..1969		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o6.tw	Method	TBLASTX:Wheat
Start	1983	End	2400
GI	none	Score	193
Exons	1983..2183, 1985..2167, 2004..2168, 2171..2245, 2175..2246, 2259..2333, 2332..2400		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o5.ts	Method	TBLASTX:Soybean
Start	1989	End	2167
GI	none	Score	183
Exons	1989..2129, 2004..2105, 2135..2167		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5

Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o1.tc	Method	TBLASTX:Cress
Start	2166	End	2496
GI	none	Score	59
Exons	2166..2225, 2292..2327, 2332..2496, 2346..2495		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o3.ts	Method	TBLASTX:Soybean
Start	2517	End	2871
GI	none	Score	71
Exons	2517..2558, 2518..2559, 2554..2871, 2556..2870		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o5.tw	Method	TBLASTX:Wheat
Start	2518	End	2916
GI	none	Score	326
Exons	2518..2916, 2523..2876		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100089	Strand	-
Start	4424	End	4945
Name	OJ000307_07.0330.C5.o2.gp	Method	AAT/GAP
Start	4424	End	4945
GI	uC-osf1M202048c12b1	Score	812
Exons	4424..4945		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100090	Strand	
Start	5721	End	6132
Name	OJ000307_07.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	5721	End	6132
GI	none	Score	99
Exons	5721..5849, 5722..6039, 5727..6038, 6052..6132		

Seq. No.	47083	Seq. ID	OJ000307_07.0330.C5
Gene No.	100090	Strand	
Start	5721	End	6132
Name	OJ000307_07.0330.C5.o4.tw	Method	TBLASTX:Wheat
Start	5721	End	6042
GI	none	Score	343
Exons	5721..6041, 5722..6042		

Seq. No.	47084	Seq. ID	OJ000307_07.0330.C7
Gene No.	100091	Strand	-
Start	903	End	1333
Name	OJ000307_07.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	580	End	1053
GI	none	Score	97
Exons	580..648, 853..1053, 959..1048		

Seq. No.	47084	Seq. ID	OJ000307_07.0330.C7
Gene No.	100091	Strand	-
Start	903	End	1333
Name	OJ000307_07.0330.C7.o1.gp	Method	AAT/GAP
Start	903	End	1333
GI	uC-osflcyp034f01b1	Score	853
Exons	903..1333		
GI Descrip.	'1732406 3.0e-11 (U81157) S25-XP1 DNA binding protein [Nicotiana tabacum]'		

Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100092	Strand	
Start	770	End	1281
Name	OJ000307_07.0330.C8.o4.tw	Method	TBLASTX:Wheat
Start	770	End	1129
GI	none	Score	56
Exons	770:.823, 786..824, 835..1014, 836..994, 974..1129, 995..1123		

Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100092	Strand	
Start	770	End	1281
Name	OJ000307_07.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	968	End	1281
GI	none	Score	353
Exons	968..1279, 976..1281		

Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100093	Strand	
Start	1848	End	2169
Name	OJ000307_07.0330.C8.o3.tm	Method	TBLASTX:Maize
Start	1848	End	2169
GI	none	Score	88
Exons	1848..1898, 1850..1900, 1851..1901, 1890..2084, 1891..2091, 1970..2134, 2106..2150, 2107..2169		

Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100094	Strand	
Start	2403	End	3246
Name	OJ000307_07.0330.C8.o5.tm	Method	TBLASTX:Maize
Start	2403	End	2840
GI	none	Score	165
Exons	2403..2585, 2404..2613, 2673..2840		

Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100094	Strand	
Start	2403	End	3246
Name	OJ000307_07.0330.C8.o3.ts	Method	TBLASTX:Soybean
Start	2443	End	2840
GI	none	Score	139
Exons	2443..2613, 2451..2609, 2667..2840, 2669..2707		

Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100094	Strand	
Start	2403	End	3246
Name	OJ000307_07.0330.C8.o1.tw	Method	TBLASTX:Wheat
Start	2491	End	3246
GI	none	Score	189

Exons	2491..2619, 2499..2615, 2598..2966, 2612..2803, 2612..2992, 2613..2999, 3011..3226, 3014..3220, 3037..3246, 3087..3245		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	3172	End	3630
GI	5509260	Score	343
Exons	3172..3630, 3261..3479, 3442..3609, 3552..3611		
GI Descrip.	-		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o1.tc	Method	TBLASTX:Cress
Start	3259	End	3519
GI	none	Score	273
Exons	3259..3519, 3261..3431		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	3300	End	3747
GI	none	Score	328
Exons	3300..3482, 3301..3747, 3436..3618		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o3.tw	Method	TBLASTX:Wheat
Start	3301	End	3846
GI	none	Score	293
Exons	3301..3645, 3448..3621, 3640..3846, 3715..3816		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o2.ts	Method	TBLASTX:Soybean
Start	3699	End	4044
GI	none	Score	276
Exons	3699..3899, 3700..4044		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o4.tm	Method	TBLASTX:Maize
Start	3855	End	4194
GI	none	Score	315
Exons	3855..4193, 3856..4194		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o2.tw	Method	TBLASTX:Wheat
Start	4050	End	4524

GI	none	Score	101
Exons	4050..4121, 4051..4125, 4052..4123, 4140..4493, 4140..4520, 4141..4524		
Seq. No.	47085	Seq. ID	OJ000307_07.0330.C8
Gene No.	100095	Strand	
Start	3172	End	4524
Name	OJ000307_07.0330.C8.o4.ts	Method	TBLASTX:Soybean
Start	4057	End	4398
GI	none	Score	95
Exons	4057..4170, 4083..4163, 4189..4398, 4189..4377		
Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100096	Strand	+
Start	128	End	492
Name	OJ000307_07.0330.C9.o1.gp	Method	AAT/GAP
Start	128	End	492
GI	5003232	Score	628
Exons	128..492		
Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o2.tm	Method	TBLASTX:Maize
Start	3799	End	4498
GI	none	Score	39
Exons	3799..3888, 3817..3858, 3877..4071, 3923..4078, 4088..4243, 4103..4246, 4134..4250, 4138..4254, 4245..4370, 4247..4375, 4318..4383, 4358..4498		
Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	4018	End	4363
GI	none	Score	139
Exons	4018..4068, 4185..4250, 4244..4363		
Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o5.tm	Method	TBLASTX:Maize
Start	4609	End	4926
GI	none	Score	107
Exons	4609..4926, 4635..4922		
Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o2.tw	Method	TBLASTX:Wheat
Start	4857	End	5291
GI	none	Score	169
Exons	4857..4985, 4995..5291		
Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237

Name	OJ000307_07.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	4932	End	5486
GI	none	Score	213
Exons	4932..5486, 4939..5388		

Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o3.tm	Method	TBLASTX:Maize
Start	8806	End	11185
GI	none	Score	306
Exons	8806..8961, 8807..9073, 9004..9069, 9958..10092, 9960..10058, 9990..10103, 10013..10102, 10484..10564, 10956..11069, 10959..11069, 10960..11070, 11137..11184, 11138..11185, 11139..11183		

Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o2.tc	Method	TBLASTX:Cress
Start	8909	End	9073
GI	none	Score	211
Exons	8909..9073		

Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o2.gp	Method	AAT/GAP
Start	8927	End	12207
GI	1078_1.R1084	Score	1234
Exons	8927..9070, 9961..10091, 10522..10563, 10958..11069, 11140..11218, 12035..12207		
GI Descrip.	'2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	9982	End	12237
GI	none	Score	80
Exons	9982..10092, 10484..10564, 10656..10697, 10941..11069, 11137..11220, 11139..11219, 12033..12200, 12034..12237		

Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237
Name	OJ000307_07.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	9996	End	12150
GI	none	Score	143
Exons	9996..10055, 9997..10092, 10025..10102, 10484..10564, 10956..11069, 11003..11068, 11112..11219, 11137..11220, 12033..12140, 12034..12150		

Seq. No.	47086	Seq. ID	OJ000307_07.0330.C9
Gene No.	100097	Strand	+
Start	8927	End	12237

Name	OJ000307_07.0330.C9.o4.tm	Method	TBLASTX:Maize
Start	12037	End	12210
GI	none	Score	220
Exons	12037..12210, 12037..12174, 12108..12206		

Seq. No.	47087	Seq. ID	OJ000307_07.0330.C10
Gene No.	100098	Strand	+
Start	1	End	1310
Name	OJ000307_07.0330.C10.o1.gp	Method	AAT/GAP
Start	1	End	1310
GI	1078_1.R1084	Score	620
Exons	1..19, 102..229, 999..1114, 1203..1310		
GI Descrip.	'2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	47087	Seq. ID	OJ000307_07.0330.C10
Gene No.	100098	Strand	+
Start	1	End	1310
Name	OJ000307_07.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	99	End	239
GI	none	Score	183
Exons	99..239, 100..234, 102..236		

Seq. No.	47087	Seq. ID	OJ000307_07.0330.C10
Gene No.	100098	Strand	+
Start	1	End	1310
Name	OJ000307_07.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	102	End	1307
GI	none	Score	66
Exons	102..221, 102..224, 103..228, 993..1115, 998..1132, 1000..1113, 1203..1307		

Seq. No.	47087	Seq. ID	OJ000307_07.0330.C10
Gene No.	100098	Strand	+
Start	1	End	1310
Name	OJ000307_07.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	1000	End	1310
GI	none	Score	167
Exons	1000..1110, 1001..1132, 1196..1309, 1203..1310		

Seq. No.	47088	Seq. ID	OJ000307_07.0330.C11
Gene No.	100099	Strand	
Start	1	End	456
Name	OJ000307_07.0330.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	456
GI	none	Score	62
Exons	1..51, 8..52, 142..288, 145..288, 182..301, 358..456, 358..456		

Seq. No.	47088	Seq. ID	OJ000307_07.0330.C11
Gene No.	100099	Strand	
Start	1	End	456
Name	OJ000307_07.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	441
GI	none	Score	75
Exons	1..51, 2..49, 187..276, 187..276, 197..277, 348..434, 356..439, 358..441		

Seq. No.	47089	Seq. ID	OJ000307_02.0330.C4
Gene No.	100100	Strand	+
Start	6470	End	8669
Name	OJ000307_02.0330.C4.o2.gs	Method	GENSCAN
Start	6470	End	8669
GI	none	Score	.65
Exons	6470..6607, 7418..7570, 7721..7840, 8306..8312, 8604..8669		

Seq. No.	47089	Seq. ID	OJ000307_02.0330.C4
Gene No.	100101	Strand	-
Start	1	End	3580
Name	OJ000307_02.0330.C4.o1.np	Method	AAT/NAP
Start	1	End	2745
GI	7437548	Score	1045
Exons	1..62, 586..782, 1529..1672, 1753..1818, 2212..2745		
GI Descrip.	isoleucine--tRNA ligase homolog F24G24.120 - Arabidopsis thaliana gi|4538961|emb|CAB39785.1| (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana] gi|7267729|emb|CAB78155.1| (AL161517) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	47089	Seq. ID	OJ000307_02.0330.C4
Gene No.	100101	Strand	-
Start	1	End	3580
Name	OJ000307_02.0330.C4.o1.gs	Method	GENSCAN
Start	348	End	3580
GI	none	Score	.57
Exons	348..357, 586..782, 1529..1672, 2212..2887, 3160..3377, 3425..3580		

Seq. No.	47089	Seq. ID	OJ000307_02.0330.C4
Gene No.	100101	Strand	-
Start	1	End	3580
Name	OJ000307_02.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	681	End	1670
GI	none	Score	71
Exons	681..785, 732..851, 1522..1668, 1526..1669, 1527..1670		

Seq. No.	47089	Seq. ID	OJ000307_02.0330.C4
Gene No.	100101	Strand	-
Start	1	End	3580
Name	OJ000307_02.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	1753	End	2745
GI	none	Score	366
Exons	1753..1821, 2203..2598, 2207..2734, 2209..2745, 2677..2745		

Seq. No.	47089	Seq. ID	OJ000307_02.0330.C4
Gene No.	100101	Strand	-
Start	1	End	3580
Name	OJ000307_02.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	2389	End	2757
GI	none	Score	448
Exons	2389..2745, 2390..2731, 2674..2757		

Seq. No.	47090	Seq. ID	OJ000307_02.0330.C5
Gene No.	100102	Strand	+
Start	2006	End	7094

Name	OJ000307_02.0330.C5.o1.gs	Method	GENSCAN
Start	2006	End	3271
GI	none	Score	1
Exons	2006..3271		

Seq. No.	47090	Seq. ID	OJ000307_02.0330.C5
Gene No.	100102	Strand	+
Start	2006	End	7094
Name	OJ000307_02.0330.C5.o1.np	Method	AAT/NAP
Start	2099	End	7094
GI	7363269	Score	869
Exons	2099..3201, 7076..7094		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	47090	Seq. ID	OJ000307_02.0330.C5
Gene No.	100103	Strand	-
Start	4540	End	4878
Name	OJ000307_02.0330.C5.o2.gs	Method	GENSCAN
Start	4540	End	4878
GI	none	Score	.67
Exons	4540..4878		

Seq. No.	47090	Seq. ID	OJ000307_02.0330.C5
Gene No.	100104	Strand	-
Start	5916	End	6936
Name	OJ000307_02.0330.C5.o3.gs	Method	GENSCAN
Start	5916	End	6936
GI	none	Score	.87
Exons	5916..6660, 6842..6936		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100105	Strand	+
Start	798	End	2119
Name	OJ000307_02.0330.C6.o1.gs	Method	GENSCAN
Start	798	End	2119
GI	none	Score	.79
Exons	798..998, 1109..1180, 1429..1544, 1631..1697, 1777..1883, 1963..2119		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100105	Strand	+
Start	798	End	2119
Name	OJ000307_02.0330.C6.o1.np	Method	AAT/NAP
Start	816	End	1884
GI	7487985	Score	316
Exons	816..998, 1109..1180, 1610..1697, 1777..1884		
GI Descrip.	OS-9 protein homolog F7N22.4 - Arabidopsis thaliana gi|3047065|gb|AAC13579.1| (AF058825) contains similarity to human OS-9 precurosor (GB:U41635) [Arabidopsis thaliana]		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100106	Strand	+
Start	4160	End	5620
Name	OJ000307_02.0330.C6.o2.gs	Method	GENSCAN
Start	4160	End	5620
GI	none	Score	.99
Exons	4160..5620		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100106	Strand	+
Start	4160	End	5620
Name	OJ000307_02.0330.C6.o2.np	Method	AAT/NAP
Start	4160	End	5617
GI	6730737	Score	1468
Exons	4160..5617		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100106	Strand	+
Start	4160	End	5620
Name	OJ000307_02.0330.C6.o1.gp	Method	AAT/GAP
Start	5070	End	5448
GI	LIB3433-025-P1-K1-A12	Score	709
Exons	5070..5448		
GI Descrip.	'4586058/gb|AAD25676.1|AC007020_18 2.0e-22 (AC007020) unknown protein [Arabidopsis thaliana]'		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100107	Strand	+
Start	6349	End	6561
Name	OJ000307_02.0330.C6.o2.gp	Method	AAT/GAP
Start	6349	End	6561
GI	none	Score	426
Exons	6349..6561		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o3.tm	Method	TBLASTX:Maize
Start	306	End	1156
GI	none	Score	131
Exons	306..401, 317..403, 322..402, 798..998, 798..998, 1106..1156, 1108..1152, 1109..1156		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o2.ts	Method	TBLASTX:Soybean
Start	885	End	1894
GI	none	Score	98
Exons	885..998, 1070..1183, 1099..1182, 1426..1545, 1628..1699, 1629..1700, 1740..1883, 1774..1884, 1775..1894, 1776..1886		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	1413	End	2142
GI	none	Score	36
Exons	1413..1448, 1429..1560, 1628..1699, 1629..1700, 1740..1883, 1772..1885, 1774..1884, 1776..1886, 1963..2073, 1964..2074, 1967..2074, 2031..2120, 2031..2120, 2047..2142		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6

Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	1640	End	2188
GI	none	Score	91
Exons	1640..1699, 1641..1700, 1740..1883, 1768..1884, 1772..1885, 1775..1891, 1963..2004, 1964..2044, 1967..2026, 2015..2074, 2018..2074, 2036..2122, 2068..2121, 2159..2188		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o4.tm	Method	TBLASTX:Maize
Start	4373	End	4696
GI	none	Score	291
Exons	4373..4696, 4394..4684, 4396..4695		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o1.tc	Method	TBLASTX:Cress
Start	4376	End	5490
GI	none	Score	289
Exons	4376..4693, 4396..4692, 4652..4819, 4700..5050, 4886..5050, 5057..5314, 5132..5290, 5354..5488, 5383..5490		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	4385	End	5488
GI	none	Score	206
Exons	4385..4648, 4396..4542, 4397..4582, 4709..5044, 4709..5032, 5057..5377, 5083..5148, 5132..5326, 5339..5488		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	5096	End	5527
GI	none	Score	639
Exons	5096..5527, 5097..5408, 5098..5490		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o3.gs	Method	GENSCAN
Start	6422	End	7352
GI	none	Score	.8
Exons	6422..6616, 6880..6999, 7141..7352		

Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o3.np	Method	AAT/NAP
Start	6853	End	7352
GI	4325344	Score	347

Exons	6853..6999, 7141..7352		
GI Descrip.	(AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]		
Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o5.tm	Method	TBLASTX:Maize
Start	6854	End	7263
GI	none	Score	213
Exons	6854..7000, 6854..7000, 6862..7002, 6862..7002, 7132..7248, 7135..7263, 7142..7258		
Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o3.ts	Method	TBLASTX:Soybean
Start	6860	End	7352
GI	none	Score	81
Exons	6860..7000, 6862..7002, 6862..7002, 7127..7264, 7135..7275, 7143..7274, 7222..7350, 7269..7352, 7313..7348		
Seq. No.	47091	Seq. ID	OJ000307_02.0330.C6
Gene No.	100108	Strand	-
Start	6422	End	7352
Name	OJ000307_02.0330.C6.o3.gp	Method	AAT/GAP
Start	6862	End	7352
GI	LIB3434-038-P1-K1-C6	Score	602
Exons	6862..6999, 7141..7352		
GI Descrip.	'4325344/gb|AAD17343| 2.0e-34 (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]'		
Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100109	Strand	+
Start	1	End	1861
Name	OJ000307_02.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	1861
GI	6714281	Score	497
Exons	1..89, 161..1016, 1508..1861		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		
Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100109	Strand	+
Start	1	End	1861
Name	OJ000307_02.0330.C7.o1.gs	Method	GENSCAN
Start	53	End	1858
GI	none	Score	.75
Exons	53..564, 683..957, 1508..1858		
Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100109	Strand	+
Start	1	End	1861
Name	OJ000307_02.0330.C7.o1.gp	Method	AAT/GAP
Start	565	End	1579
GI	none	Score	933
Exons	565..1016, 1508..1579		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100110	Strand	+
Start	3191	End	7216
Name	OJ000307_02.0330.C7.o2.gs	Method	GENSCAN
Start	3191	End	7216
GI	none	Score	.78
Exons	3191..3278, 3371..3501, 3533..3834, 4192..4476, 4577..4635, 4856..4938, 5647..6457, 6939..7216		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100110	Strand	+
Start	3191	End	7216
Name	OJ000307_02.0330.C7.o2.np	Method	AAT/NAP
Start	4536	End	6364
GI	4734014	Score	624
Exons	4536..4635, 4740..4776, 4867..4938, 5647..6364		
GI Descrip.	(AC007112) unknown protein [Arabidopsis thaliana]		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100111	Strand	+
Start	11806	End	14447
Name	OJ000307_02.0330.C7.o3.gs	Method	GENSCAN
Start	11806	End	14447
GI	none	Score	.5
Exons	11806..12059, 13102..13120, 14286..14447		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100112	Strand	+
Start	15115	End	15831
Name	OJ000307_02.0330.C7.o2.gp	Method	AAT/GAP
Start	15061	End	15432
GI	none	Score	736
Exons	15061..15432		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100112	Strand	+
Start	15115	End	15831
Name	OJ000307_02.0330.C7.o4.gs	Method	GENSCAN
Start	15115	End	15831
GI	none	Score	.99
Exons	15115..15831		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100112	Strand	+
Start	15115	End	15831
Name	OJ000307_02.0330.C7.o4.np	Method	AAT/NAP
Start	15115	End	15828
GI	6730731	Score	238
Exons	15115..15555, 15698..15828		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100113	Strand	+
Start	16466	End	16784
Name	OJ000307_02.0330.C7.o5.gs	Method	GENSCAN
Start	16466	End	16784

GI	none	Score	.97
Exons	16466..16532, 16576..16784		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100114	Strand	-
Start	5751	End	9555
Name	OJ000307_02.0330.C7.o3.np	Method	AAT/NAP
Start	5751	End	9555
GI	6721547	Score	87
Exons	5751..5800, 9471..9555		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	877	End	1916
GI	none	Score	43
Exons	877..900, 881..916, 903..1016, 904..1017, 905..1030, 906..1031, 1493..1858, 1505..1852, 1872..1913, 1878..1916		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	4833	End	6226
GI	none	Score	67
Exons	4833..4937, 4861..4944, 4868..4981, 5629..5781, 5645..5797, 5873..6226, 5878..5928, 5995..6225		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	5644	End	6226
GI	none	Score	157
Exons	5644..5787, 5645..5797, 5873..6010, 6007..6198, 6032..6226		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o2.ts	Method	TBLASTX:Soybean
Start	15114	End	15300
GI	none	Score	225
Exons	15114..15299, 15115..15300		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o4.tm	Method	TBLASTX:Maize
Start	15120	End	15636
GI	none	Score	98
Exons	15120..15254, 15120..15299, 15121..15300, 15369..15413, 15469..15558, 15472..15576, 15541..15636		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-

Start	17320	End	18553
Name	OJ000307_02.0330.C7.o3.tm	Method	TBLASTX:Maize
Start	17029	End	18553
GI	none	Score	112
Exons	17029..17082, 17083..17244, 17108..17245, 17121..17243, 17149..17244, 17317..17415, 17322..17423, 17324..17413, 17508..17630, 17514..17630, 17515..17631, 17809..17886, 17820..17885, 17821..17886, 17958..18089, 17964..18089, 17965..18090, 17966..18100, 18327..18404, 18327..18404, 18485..18553, 18486..18551		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o3.gp	Method	AAT/GAP
Start	17320	End	18553
GI	23683_1.R1084	Score	904
Exons	17320..17411, 17525..17630, 17818..17883, 17966..18088, 18336..18403, 18488..18553		
GI Descrip.	'4538961/emb|CAB39785.1| 2.0e-56 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o6.gs	Method	GENSCAN
Start	17505	End	18551
GI	none	Score	.73
Exons	17505..17630, 17818..17919, 17966..18088, 18336..18403, 18488..18551		

Seq. No.	47092	Seq. ID	OJ000307_02.0330.C7
Gene No.	100115	Strand	-
Start	17320	End	18553
Name	OJ000307_02.0330.C7.o5.np	Method	AAT/NAP
Start	17924	End	18551
GI	7487928	Score	174
Exons	17924..18088, 18336..18403, 18488..18551		
GI Descrip.	isoleucine--tRNA ligase homolog T9A4.4 - Arabidopsis thaliana gi|3695406|gb|AAC62806.1| (AF096373) similar to isoleucyl-tRNA synthetases [Arabidopsis thaliana]		

Seq. No.	47093	Seq. ID	OJ000307_02.0330.C8
Gene No.	100116	Strand	-
Start	1	End	5538
Name	OJ000307_02.0330.C8.o2.np	Method	AAT/NAP
Start	1	End	5538
GI	3320122	Score	65
Exons	1..36, 582..784, 1581..1689, 5506..5538		
GI Descrip.	(U46007) espin [Rattus norvegicus]		

Seq. No.	47093	Seq. ID	OJ000307_02.0330.C8
Gene No.	100116	Strand	-
Start	1	End	5538
Name	OJ000307_02.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	610	End	1752
GI	none	Score	250

Exons	610..786, 621..785, 626..787, 702..785, 927..1007, 928..1008, 930..1010, 1155..1280, 1161..1280, 1165..1281, 1571..1714, 1572..1715, 1573..1716, 1573..1716, 1594..1710, 1606..1752		
Seq. No.	47093	Seq. ID	OJ000307_02.0330.C8
Gene No.	100116	Strand	-
Start	1	End	5538
Name	OJ000307_02.0330.C8.o1.gs	Method	GENSCAN
Start	621	End	2882
GI	none	Score	.84
Exons	621..753, 1166..1278, 1573..1713, 2338..2411, 2504..2882		
Seq. No.	47093	Seq. ID	OJ000307_02.0330.C8
Gene No.	100116	Strand	-
Start	1	End	5538
Name	OJ000307_02.0330.C8.o2.ts	Method	TBLASTX:Soybean
Start	621	End	1278
GI	none	Score	92
Exons	621..701, 622..699, 927..1007, 928..1008, 931..1008, 1161..1277, 1165..1278, 1165..1275		
Seq. No.	47093	Seq. ID	OJ000307_02.0330.C8
Gene No.	100116	Strand	-
Start	1	End	5538
Name	OJ000307_02.0330.C8.o1.tc	Method	TBLASTX:Cress
Start	702	End	2774
GI	none	Score	148
Exons	702..785, 1571..1714, 1573..1716, 1574..1714, 2604..2774, 2614..2691		
Seq. No.	47093	Seq. ID	OJ000307_02.0330.C8
Gene No.	100116	Strand	-
Start	1	End	5538
Name	OJ000307_02.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	702	End	2774
GI	none	Score	101
Exons	702..785, 1606..1716, 1607..1714, 2604..2690, 2604..2774, 2605..2694		
Seq. No.	47093	Seq. ID	OJ000307_02.0330.C8
Gene No.	100116	Strand	-
Start	1	End	5538
Name	OJ000307_02.0330.C8.o1.np	Method	AAT/NAP
Start	1156	End	3260
GI	4406801	Score	338
Exons	1156..1285, 1505..1713, 2604..2765, 3186..3260		
GI Descrip.	(AC006304) unknown protein [Arabidopsis thaliana]		
Seq. No.	47094	Seq. ID	OJ000307_02.0330.C11
Gene No.	100117	Strand	+
Start	360	End	5303
Name	OJ000307_02.0330.C11.o1.gs	Method	GENSCAN
Start	360	End	5303
GI	none	Score	.78
Exons	360..486, 2824..2925, 3150..3217, 4078..4273, 4448..4506, 4635..4727, 4772..4913, 5242..5303		

Seq. No.	47094	Seq. ID	OJ000307_02.0330.C11
Gene No.	100118	Strand	+
Start	8582	End	11948
Name	OJ000307_02.0330.C11.o2.gs	Method	GENSCAN
Start	8582	End	11948
GI	none	Score	.56
Exons	8582..8614, 9136..9514, 9577..9686, 9702..9832, 9869..9996, 10048..10135, 11210..11552, 11610..11795, 11898..11948		

Seq. No.	47094	Seq. ID	OJ000307_02.0330.C11
Gene No.	100119	Strand	-
Start	3909	End	13023
Name	OJ000307_02.0330.C11.o1.np	Method	AAT/NAP
Start	3909	End	13023
GI	5295955	Score	399
Exons	3909..4518, 4596..5004, 5920..6088, 9438..9611, 9748..9825, 12073..12479, 12909..13023		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	47094	Seq. ID	OJ000307_02.0330.C11
Gene No.	100119	Strand	-
Start	3909	End	13023
Name	OJ000307_02.0330.C11.o1.gp	Method	AAT/GAP
Start	11970	End	12450
GI	none	Score	895
Exons	11970..12450		

Seq. No.	47094	Seq. ID	OJ000307_02.0330.C11
Gene No.	100119	Strand	-
Start	3909	End	13023
Name	OJ000307_02.0330.C11.o3.gs	Method	GENSCAN
Start	12058	End	12366
GI	none	Score	.99
Exons	12058..12366		

Seq. No.	47094	Seq. ID	OJ000307_02.0330.C11
Gene No.	100119	Strand	-
Start	3909	End	13023
Name	OJ000307_02.0330.C11.o4.gs	Method	GENSCAN
Start	12710	End	12951
GI	none	Score	.97
Exons	12710..12951		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100120	Strand	+
Start	1136	End	1205
Name	OJ000307_02.0330.C13.o1.gp	Method	AAT/GAP
Start	1136	End	1205
GI	LIB3477-003-P1-K1-E9	Score	87
Exons	1136..1205		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+

Start	2911	End	5865
Name	OJ000307_02.0330.C13.o2.gp	Method	AAT/GAP
Start	2911	End	5865
GI	1362_1.R1084	Score	2535
Exons	2911..3144, 3843..3943, 4029..4251, 4447..4640, 5016..5127, 5293..5406, 5490..5865		
GI Descrip.	'3402713 3.0e-77 (AC004261) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+
Start	2911	End	5865
Name	OJ000307_02.0330.C13.o1.gs	Method	GENSCAN
Start	2989	End	5627
GI	none	Score	.88
Exons	2989..3144, 3189..3218, 4066..4251, 4447..4640, 5016..5127, 5293..5406, 5490..5627		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+
Start	2911	End	5865
Name	OJ000307_02.0330.C13.o1.np	Method	AAT/NAP
Start	3077	End	5136
GI	7487623	Score	605
Exons	3077..3267, 3843..3943, 4029..4251, 4447..4500, 4543..4640, 5013..5136		
GI Descrip.	hypothetical protein T3K9.19 - Arabidopsis thaliana gi|3402713|gb|AAD12007.1| (AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+
Start	2911	End	5865
Name	OJ000307_02.0330.C13.o1.tc	Method	TBLASTX:Cress
Start	3839	End	4182
GI	none	Score	132
Exons	3839..3943, 3843..3944, 4031..4141, 4033..4182, 4035..4181		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+
Start	2911	End	5865
Name	OJ000307_02.0330.C13.o2.ts	Method	TBLASTX:Soybean
Start	3858	End	4137
GI	none	Score	126
Exons	3858..3944, 3872..3943, 4029..4130, 4030..4137		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+
Start	2911	End	5865
Name	OJ000307_02.0330.C13.o2.tm	Method	TBLASTX:Maize
Start	4056	End	4509
GI	none	Score	215
Exons	4056..4238, 4057..4251, 4444..4509		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+
Start	2911	End	5865

Name	OJ000307_02.0330.C13.o1.ts	Method	TBLASTX:Soybean
Start	4428	End	5376
GI	none	Score	88
Exons	4428..4640, 4429..4641, 4452..4640, 5017..5133, 5021..5125, 5022..5129, 5293..5376		

Seq. No.	47095	Seq. ID	OJ000307_02.0330.C13
Gene No.	100121	Strand	+
Start	2911	End	5865
Name	OJ000307_02.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	4584	End	5648
GI	none	Score	73
Exons	4584..4631, 4585..4638, 5001..5129, 5008..5133, 5292..5405, 5292..5405, 5293..5409, 5487..5648, 5487..5621, 5488..5634, 5549..5647		

Seq. No.	47096	Seq. ID	OJ000307_02.0330.C14
Gene No.	100122	Strand	+
Start	50	End	3394
Name	OJ000307_02.0330.C14.o1.np	Method	AAT/NAP
Start	50	End	3060
GI	6714281	Score	322
Exons	50..92, 1436..1569, 2510..2575, 2658..2755, 2865..3060		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		

Seq. No.	47096	Seq. ID	OJ000307_02.0330.C14
Gene No.	100122	Strand	+
Start	50	End	3394
Name	OJ000307_02.0330.C14.o1.gs	Method	GENSCAN
Start	222	End	3394
GI	none	Score	.95
Exons	222..273, 1436..1548, 2510..2572, 2658..2700, 2865..3116, 3236..3345, 3374..3394		

Seq. No.	47097	Seq. ID	OJ000307_02.0330.C15
Gene No.	100123	Strand	+
Start	1	End	1738
Name	OJ000307_02.0330.C15.o1.np	Method	AAT/NAP
Start	1	End	1738
GI	6714281	Score	341
Exons	1..884, 1616..1738		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		

Seq. No.	47097	Seq. ID	OJ000307_02.0330.C15
Gene No.	100123	Strand	+
Start	1	End	1738
Name	OJ000307_02.0330.C15.o1.gs	Method	GENSCAN
Start	67	End	884
GI	none	Score	.72
Exons	67..884		

Seq. No.	47098	Seq. ID	OJ000307_02.0330.C16
Gene No.	100124	Strand	+
Start	1	End	1106
Name	OJ000307_02.0330.C16.o1.np	Method	AAT/NAP
Start	1	End	1106
GI	6714281	Score	134

Exons	1..24, 555..766, 892..1106		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		
Seq. No.	47098	Seq. ID	OJ000307_02.0330.C16
Gene No.	100124	Strand	+
Start	1	End	1106
Name	OJ000307_02.0330.C16.o2.np	Method	AAT/NAP
Start	1	End	984
GI	476949	Score	57
Exons	1..27, 536..766, 892..984		
GI Descrip.	transcription initiation factor IID 230K chain - fruit fly (Drosophila melanogaster)		
Seq. No.	47098	Seq. ID	OJ000307_02.0330.C16
Gene No.	100124	Strand	+
Start	1	End	1106
Name	OJ000307_02.0330.C16.o1.gs	Method	GENSCAN
Start	560	End	984
GI	none	Score	.68
Exons	560..730, 892..984		
Seq. No.	47099	Seq. ID	OJ000307_02.0330.C17
Gene No.	100125	Strand	-
Start	1	End	266
Name	OJ000307_02.0330.C17.o1.np	Method	AAT/NAP
Start	1	End	266
GI	6714281	Score	303
Exons	1..266		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		
Seq. No.	47099	Seq. ID	OJ000307_02.0330.C17
Gene No.	100125	Strand	-
Start	1	End	266
Name	OJ000307_02.0330.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	266
GI	none	Score	401
Exons	1..264, 2..265, 3..266		
Seq. No.	47099	Seq. ID	OJ000307_02.0330.C17
Gene No.	100125	Strand	-
Start	1	End	266
Name	OJ000307_02.0330.C17.o1.gs	Method	GENSCAN
Start	135	End	264
GI	none	Score	.86
Exons	135..264		
Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100126	Strand	+
Start	1	End	5915
Name	OJ000307_02.0330.C18.o1.np	Method	AAT/NAP
Start	1	End	1280
GI	7297920	Score	80
Exons	1..95, 1036..1280		
GI Descrip.	(AE003635) CG6618 gene product [Drosophila melanogaster]		
Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100126	Strand	+

Start	1	End	5915
Name	OJ000307_02.0330.C18.o1.gp	Method	AAT/GAP
Start	391	End	1298
GI	LIB3432-017-P1-K1-B3	Score	656
Exons	391..548, 1103..1298		
GI Descrip.	'4589536/dbj|BAA76790.1| 1.0e-11 (AB023163) KIAA0946 protein [Homo sapiens]'		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100126	Strand	+
Start	1	End	5915
Name	OJ000307_02.0330.C18.o1.gs	Method	GENSCAN
Start	523	End	5581
GI	none	Score	.61
Exons	523..548, 1103..1408, 2054..2091, 2781..2979, 3433..3564, 4234..4477, 4796..4971, 5340..5413, 5509..5581		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100126	Strand	+
Start	1	End	5915
Name	OJ000307_02.0330.C18.o2.np	Method	AAT/NAP
Start	2851	End	5915
GI	4325344	Score	1148
Exons	2851..2979, 3433..3564, 3930..4133, 4234..4477, 4796..4971, 5340..5422, 5509..5624, 5896..5915		
GI Descrip.	(AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100127	Strand	-
Start	1497	End	2010
Name	OJ000307_02.0330.C18.o2.tm	Method	TBLASTX:Maize
Start	198	End	446
GI	none	Score	136
Exons	198..311, 230..325, 231..311, 365..442, 384..446		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100127	Strand	-
Start	1497	End	2010
Name	OJ000307_02.0330.C18.o1.ts	Method	TBLASTX:Soybean
Start	393	End	1497
GI	none	Score	82
Exons	393..497, 1100..1315, 1100..1309, 1152..1310, 1348..1365, 1435..1497		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100127	Strand	-
Start	1497	End	2010
Name	OJ000307_02.0330.C18.o1.tm	Method	TBLASTX:Maize
Start	450	End	1467
GI	none	Score	433
Exons	450..551, 1099..1242, 1100..1378, 1131..1466, 1137..1466, 1312..1467		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100127	Strand	-
Start	1497	End	2010

Name	OJ000307_02.0330.C18.o1.tc	Method	TBLASTX:Cress
Start	1118	End	1255
GI	none	Score	183
Exons	1118..1255, 1136..1216, 1147..1236, 1147..1215		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100127	Strand	-
Start	1497	End	2010
Name	OJ000307_02.0330.C18.o2.gp	Method	AAT/GAP
Start	1497	End	2010
GI	none	Score	1024
Exons	1497..2010		

Seq. No.	47100	Seq. ID	OJ000307_02.0330.C18
Gene No.	100128	Strand	
Start	4794	End	5569
Name	OJ000307_02.0330.C18.o2.ts	Method	TBLASTX:Soybean
Start	4794	End	5569
GI	none	Score	264
Exons	4794..4991, 4795..4974, 5337..5423, 5339..5419, 5507..5569, 5520..5567		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o1.np	Method	AAT/NAP
Start	1	End	2040
GI	6522541	Score	1232
Exons	1..2040		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o1.tc	Method	TBLASTX:Cress
Start	3	End	2038
GI	none	Score	37
Exons	3..119, 658..786, 711..1181, 753..1181, 756..1181, 756..1022, 759..1181, 759..953, 759..1025, 759..1166, 759..1067, 759..1181, 760..1065, 760..915, 760..921, 762..1166, 807..1187, 831..929, 901..1062, 903..1187, 976..1068, 1050..1184, 1190..1459, 1190..1453, 1190..1453, 1190..1456, 1190..1321, 1191..1358, 1232..1453, 1457..1552, 1586..1771, 1586..1777, 1586..1777, 1772..2038, 1772..2038, 1772..2038, 1775..2038, 1778..1837, 1787..2038, 1790..2038, 1862..2038		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o2.tm	Method	TBLASTX:Maize
Start	3	End	342
GI	none	Score	66
Exons	3..134, 10..126, 174..341, 196..342		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040

Name	OJ000207_05.0331.C3.o2.ts	Method	TBLASTX:Soybean
Start	3	End	482
GI	none	Score	72
Exons	3..101, 3..134, 189..374, 190..375, 324..482		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o2.tc	Method	TBLASTX:Cress
Start	201	End	482
GI	none	Score	157
Exons	201..482, 202..477		

Seq. No.	47101	Seq. ID	OJ000207_05:0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o1.gs	Method	GENSCAN
Start	617	End	1994
GI	none	Score	.78
Exons	617..769, 1487..1994		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o1.ts	Method	TBLASTX:Soybean
Start	672	End	2038
GI	none	Score	99
Exons	672..1217, 756..1013, 757..951, 759..1166, 1160..1453, 1190..1381, 1586..1762, 1601..1681, 1617..1727, 1772..2023, 1784..2038		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o1.tm	Method	TBLASTX:Maize
Start	756	End	1886
GI	none	Score	66
Exons	756..863, 757..855, 850..999, 921..1103, 960..1070, 990..1166, 1134..1187, 1181..1318, 1211..1390, 1245..1391, 1247..1366, 1322..1438, 1502..1885, 1524..1886		

Seq. No.	47101	Seq. ID	OJ000207_05.0331.C3
Gene No.	100129	Strand	-
Start	1	End	2040
Name	OJ000207_05.0331.C3.o1.tw	Method	TBLASTX:Wheat
Start	820	End	1897
GI	none	Score	53
Exons	820..966, 885..1004, 1081..1131, 1104..1151, 1196..1393, 1241..1309, 1412..1822, 1481..1837, 1718..1897		

Seq. No.	47102	Seq. ID	OJ000207_05.0331.C4
Gene No.	100130	Strand	-
Start	351	End	1087
Name	OJ000207_05.0331.C4.o1.gs	Method	GENSCAN
Start	351	End	1087
GI	none	Score	.72
Exons	351..372, 438..489, 1030..1087		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100131	Strand	+
Start	1	End	1274
Name	OJ000207_05.0331.C6.o1.np	Method	AAT/NAP
Start	1	End	1049
GI	7486858	Score	739
Exons	1..219, 757..1049		
GI Descrip.	hypothetical protein T11I11.100 - Arabidopsis thaliana gi|5123703|emb|CAB45447.1| (AL079347) invertase-like protein [Arabidopsis thaliana] gi|7270437|emb|CAB80203.1| (AL161586) invertase-like protein [Arabidopsis thaliana]		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100131	Strand	+
Start	1	End	1274
Name	OJ000207_05.0331.C6.o1.gs	Method	GENSCAN
Start	66	End	1052
GI	none	Score	.67
Exons	66..219, 757..1052		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100131	Strand	+
Start	1	End	1274
Name	OJ000207_05.0331.C6.o1.gp	Method	AAT/GAP
Start	736	End	1274
GI	35853_1.R1084	Score	951
Exons	736..1274		
GI Descrip.	'3287693 1.0e-26 (AC003979) Similar to LIM17 gene product gb_1653769 from the genome of Synechocystis sp. gb_D90916. [Arabidopsis thaliana]'		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100132	Strand	+
Start	2119	End	4850
Name	OJ000207_05.0331.C6.o2.gs	Method	GENSCAN
Start	2119	End	3630
GI	none	Score	.93
Exons	2119..2610, 2625..3270, 3324..3541, 3553..3630		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100132	Strand	+
Start	2119	End	4850
Name	OJ000207_05.0331.C6.o2.np	Method	AAT/NAP
Start	2150	End	4850
GI	7267646	Score	154
Exons	2150..2194, 4631..4850		
GI Descrip.	(AL161515) neutral invertase like protein [Arabidopsis thaliana]		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100133	Strand	+
Start	5834	End	8508
Name	OJ000207_05.0331.C6.o3.gs	Method	GENSCAN
Start	5834	End	8508
GI	none	Score	.58
Exons	5834..6969, 7056..7513, 8205..8433, 8499..8508		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100134	Strand	-
Start	10531	End	11879
Name	OJ000207_05.0331.C6.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1004
GI	none	Score	288
Exons	3..218, 6..215, 70..219, 759..1004, 761..937		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100134	Strand	-
Start	10531	End	11879
Name	OJ000207_05.0331.C6.o1.tm	Method	TBLASTX:Maize
Start	75	End	4853
GI	none	Score	195
Exons	75..185, 119..184, 173..217, 174..218, 749..1045, 755..1039, 756..1052, 4630..4698, 4631..4690, 4700..4840, 4701..4853		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100134	Strand	-
Start	10531	End	11879
Name	OJ000207_05.0331.C6.o1.tc	Method	TBLASTX:Cress
Start	132	End	4844
GI	none	Score	36
Exons	132..158, 159..218, 164..271, 164..217, 749..940, 754..942, 755..1039, 756..1043, 4630..4698, 4701..4844, 4706..4840		

Seq. No.	47103	Seq. ID	OJ000207_05.0331.C6
Gene No.	100134	Strand	-
Start	10531	End	11879
Name	OJ000207_05.0331.C6.o4.gs	Method	GENSCAN
Start	10531	End	11879
GI	none	Score	.72
Exons	10531..10537, 10802..10824, 10954..10980, 11419..11579, 11831..11879		

Seq. No.	47104	Seq. ID	OJ000207_05.0331.C7
Gene No.	100135	Strand	+
Start	481	End	930
Name	OJ000207_05.0331.C7.o1.gs	Method	GENSCAN
Start	481	End	930
GI	none	Score	.75
Exons	481..603, 919..930		

Seq. No.	47104	Seq. ID	OJ000207_05.0331.C7
Gene No.	100136	Strand	+
Start	2912	End	3054
Name	OJ000207_05.0331.C7.o1.gp	Method	AAT/GAP
Start	2912	End	3054
GI	LIB3431-027-P1-K1-D5	Score	234
Exons	2912..3054		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	47104	Seq. ID	OJ000207_05.0331.C7
Gene No.	100137	Strand	-
Start	1	End	3186
Name	OJ000207_05.0331.C7.o1.np	Method	AAT/NAP

Start	1	End	3186
GI	5917666	Score	144
Exons	1..639, 3159..3186		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	47104	Seq. ID	OJ000207_05.0331.C7
Gene No.	100137	Strand	-
Start	1	End	3186
Name	OJ000207_05.0331.C7.o2.gs	Method	GENSCAN
Start	1794	End	2308
GI	none	Score	.73
Exons	1794..2055, 2169..2308		

Seq. No.	47105	Seq. ID	OJ000207_05.0331.C8
Gene No.	100138	Strand	+
Start	75	End	1105
Name	OJ000207_05.0331.C8.o1.gs	Method	GENSCAN
Start	75	End	1105
GI	none	Score	.88
Exons	75..266, 302..1105		

Seq. No.	47106	Seq. ID	OJ000207_05.0331.C9
Gene No.	100139	Strand	+
Start	57	End	4668
Name	OJ000207_05.0331.C9.o1.gs	Method	GENSCAN
Start	57	End	4668
GI	none	Score	.68
Exons	57..150, 1514..1533, 2893..3027, 3047..3208, 3325..4668		

Seq. No.	47106	Seq. ID	OJ000207_05.0331.C9
Gene No.	100140	Strand	-
Start	5559	End	5871
Name	OJ000207_05.0331.C9.o2.gs	Method	GENSCAN
Start	5559	End	5871
GI	none	Score	.83
Exons	5559..5570, 5610..5728, 5745..5871		

Seq. No.	47107	Seq. ID	OJ000207_05.0331.C10
Gene No.	100141	Strand	+
Start	1	End	6195
Name	OJ000207_05.0331.C10.o1.np	Method	AAT/NAP
Start	1	End	6195
GI	73648	Score	116
Exons	1..154, 589..735, 3387..3698, 3816..3930, 4027..4283, 6146..6195		
GI Descrip.	immediate-early protein IE180 - suid herpesvirus 1 (strain Indiana-Funkhauser)		

Seq. No.	47107	Seq. ID	OJ000207_05.0331.C10
Gene No.	100141	Strand	+
Start	1	End	6195
Name	OJ000207_05.0331.C10.o1.gs	Method	GENSCAN
Start	52	End	4925
GI	none	Score	.41
Exons	52..381, 398..488, 514..1647, 2876..2919, 3285..4752, 4869..4925		

Seq. No.	47107	Seq. ID	OJ000207_05.0331.C10
Gene No.	100142	Strand	-

Start	5483	End	5927
Name	OJ000207_05.0331.C10.o2.gs	Method	GENSCAN
Start	5483	End	5927
GI	none	Score	.81
Exons	5483..5927		

Seq. No.	47108	Seq. ID	OJ000207_05.0331.C11
Gene No.	100143	Strand	+
Start	5931	End	7808
Name	OJ000207_05.0331.C11.o1.np	Method	AAT/NAP
Start	5931	End	7808
GI	6907086	Score	1492
Exons	5931..6696, 6754..6921, 7166..7287, 7402..7560, 7617..7808		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47108	Seq. ID	OJ000207_05.0331.C11
Gene No.	100144	Strand	-
Start	4060	End	4534
Name	OJ000207_05.0331.C11.o1.gp	Method	AAT/GAP
Start	4060	End	4534
GI	38782_1.R1084	Score	750
Exons	4060..4534		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	47109	Seq. ID	OJ000207_05.0331.C12
Gene No.	100145	Strand	+
Start	188	End	792
Name	OJ000207_05.0331.C12.o1.gs	Method	GENSCAN
Start	188	End	792
GI	none	Score	.87
Exons	188..242, 674..792		

Seq. No.	47109	Seq. ID	OJ000207_05.0331.C12
Gene No.	100146	Strand	-
Start	21	End	1455
Name	OJ000207_05.0331.C12.o1.np	Method	AAT/NAP
Start	21	End	1455
GI	6907088	Score	1092
Exons	21..407, 905..1142, 1318..1455		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47110	Seq. ID	OJ000207_05.0331.C13
Gene No.	100147	Strand	+
Start	2655	End	4372
Name	OJ000207_05.0331.C13.o2.gs	Method	GENSCAN
Start	2655	End	4372
GI	none	Score	.94
Exons	2655..2887, 2935..4372		

Seq. No.	47110	Seq. ID	OJ000207_05.0331.C13
Gene No.	100148	Strand	-
Start	1	End	3040
Name	OJ000207_05.0331.C13.o1.np	Method	AAT/NAP
Start	1	End	3040
GI	4680186	Score	186
Exons	1..88, 591..729, 2900..3040		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	47110	Seq. ID	OJ000207_05.0331.C13
Gene No.	100149	Strand	-
Start	6117	End	6257
Name	OJ000207_05.0331.C13.o3.gs	Method	GENSCAN
Start	6117	End	6257
GI	none	Score	.61
Exons	6117..6257		

Seq. No.	47111	Seq. ID	OJ000207_05.0331.C14
Gene No.	100150	Strand	+
Start	182	End	1424
Name	OJ000207_05.0331.C14.o1.gs	Method	GENSCAN
Start	182	End	1424
GI	none	Score	.83
Exons	182..320, 439..1424		

Seq. No.	47112	Seq. ID	OJ000207_05.0331.C15
Gene No.	100151	Strand	+
Start	822	End	1435
Name	OJ000207_05.0331.C15.o1.gs	Method	GENSCAN
Start	822	End	1435
GI	none	Score	.67
Exons	822..1191, 1230..1435		

Seq. No.	47112	Seq. ID	OJ000207_05.0331.C15
Gene No.	100152	Strand	-
Start	1	End	190
Name	OJ000207_05.0331.C15.o1.np	Method	AAT/NAP
Start	1	End	190
GI	7340884	Score	126
Exons	1..190		

GI Descrip. (AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]

Seq. No.	47113	Seq. ID	OJ000207_05.0331.C16
Gene No.	100153	Strand	-
Start	110	End	2167
Name	OJ000207_05.0331.C16.o1.gs	Method	GENSCAN
Start	110	End	2167
GI	none	Score	.54
Exons	110..299, 477..621, 710..871, 2107..2167		

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17
Gene No.	100154	Strand	+
Start	832	End	5478
Name	OJ000207_05.0331.C17.o1.np	Method	AAT/NAP
Start	832	End	5478
GI	7447850	Score	735
Exons	832..883, 4867..5478		

GI Descrip. hypothetical protein F3L17.50 - Arabidopsis thaliana gi|5262759|emb|CAB45907.1| (AL080283) putative protein [Arabidopsis thaliana] gi|7270051|emb|CAB79866.1| (AL161579) putative protein [Arabidopsis thaliana]

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17

Gene No.	100154	Strand	+
Start	832	End	5478
Name	OJ000207_05.0331.C17.o1.gp	Method	AAT/GAP
Start	4765	End	5218
GI	49663_1.R1084	Score	885
Exons	4765..5218		
GI Descrip.	'4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17
Gene No.	100154	Strand	+
Start	832	End	5478
Name	OJ000207_05.0331.C17.o3.gs	Method	GENSCAN
Start	4884	End	5458
GI	none	Score	.63
Exons	4884..5458		

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17
Gene No.	100155	Strand	-
Start	1645	End	2170
Name	OJ000207_05.0331.C17.o1.gs	Method	GENSCAN
Start	1645	End	2170
GI	none	Score	.77
Exons	1645..1739, 1861..2170		

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17
Gene No.	100156	Strand	-
Start	2891	End	3175
Name	OJ000207_05.0331.C17.o2.gs	Method	GENSCAN
Start	2891	End	3175
GI	none	Score	.82
Exons	2891..3175		

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17
Gene No.	100157	Strand	
Start	4882	End	5468
Name	OJ000207_05.0331.C17.o1.ts	Method	TBLASTX:Soybean
Start	4882	End	5258
GI	none	Score	364
Exons	4882..4911, 4884..5138, 4884..5012, 4895..5098, 5103..5258, 5147..5257		

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17
Gene No.	100157	Strand	
Start	4882	End	5468
Name	OJ000207_05.0331.C17.o1.tc	Method	TBLASTX:Cress
Start	4884	End	5456
GI	none	Score	327
Exons	4884..5138, 4916..5095, 5103..5456, 5147..5455		

Seq. No.	47114	Seq. ID	OJ000207_05.0331.C17
Gene No.	100157	Strand	
Start	4882	End	5468
Name	OJ000207_05.0331.C17.o1.tm	Method	TBLASTX:Maize
Start	4913	End	5468
GI	none	Score	318
Exons	4913..5098, 4917..5144, 5103..5468, 5147..5467		

Seq. No.	47115	Seq. ID	OJ000207_05.0331.C18
Gene No.	100158	Strand	+
Start	1	End	1005
Name	OJ000207_05.0331.C18.o1.np	Method	AAT/NAP
Start	1	End	815
GI	7447851	Score	747
Exons	1..46, 288..815		
GI Descrip.	hypothetical protein F3L17.60 - Arabidopsis thaliana gi|5262760|emb|CAB45908.1| (AL080283) Beta-COP-like protein [Arabidopsis thaliana] gi|7270052|emb|CAB79867.1| (AL161579) Beta-COP-like protein [Arabidopsis thaliana]		

Seq. No.	47115	Seq. ID	OJ000207_05.0331.C18
Gene No.	100158	Strand	+
Start	1	End	1005
Name	OJ000207_05.0331.C18.o1.tc	Method	TBLASTX:Cress
Start	296	End	745
GI	none	Score	689
Exons	296..340, 298..744, 298..744, 389..745		

Seq. No.	47115	Seq. ID	OJ000207_05.0331.C18
Gene No.	100158	Strand	+
Start	1	End	1005
Name	OJ000207_05.0331.C18.o1.tm	Method	TBLASTX:Maize
Start	298	End	813
GI	none	Score	848
Exons	298..813, 298..813		

Seq. No.	47115	Seq. ID	OJ000207_05.0331.C18
Gene No.	100158	Strand	+
Start	1	End	1005
Name	OJ000207_05.0331.C18.o1.ts	Method	TBLASTX:Soybean
Start	298	End	813
GI	none	Score	623
Exons	298..711, 298..675, 300..680, 676..813, 682..810		

Seq. No.	47115	Seq. ID	OJ000207_05.0331.C18
Gene No.	100158	Strand	+
Start	1	End	1005
Name	OJ000207_05.0331.C18.o1.tw	Method	TBLASTX:Wheat
Start	298	End	481
GI	none	Score	283
Exons	298..480, 298..480, 398..481		

Seq. No.	47115	Seq. ID	OJ000207_05.0331.C18
Gene No.	100158	Strand	+
Start	1	End	1005
Name	OJ000207_05.0331.C18.o1.gp	Method	AAT/GAP
Start	301	End	843
GI	24251_1.R1084	Score	971
Exons	301..843		
GI Descrip.	'5262759/emb|CAB45907.1| 1.0e-126 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	47115	Seq. ID	OJ000207_05.0331.C18
Gene No.	100158	Strand	+

Start	1	End	1005
Name	OJ000207_05.0331.C18.o1.gs	Method	GENSCAN
Start	301	End	1005
GI	none	Score	.62
Exons	301..810, 961..1005		

Seq. No.	47116	Seq. ID	OJ000207_05.0331.C20
Gene No.	100159	Strand	-
Start	1	End	728
Name	OJ000207_05.0331.C20.o1.np	Method	AAT/NAP
Start	1	End	728
GI	6522592	Score	448
Exons	1..728		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47116	Seq. ID	OJ000207_05.0331.C20
Gene No.	100159	Strand	-
Start	1	End	728
Name	OJ000207_05.0331.C20.o1.tc	Method	TBLASTX:Cress
Start	3	End	728
GI	none	Score	59
Exons	3..632, 15..653, 15..560, 15..74, 28..192, 70..171, 78..653, 210..629, 237..629, 286..615, 288..368, 418..600, 624..722, 633..722, 636..722, 636..722, 639..728, 645..707		

Seq. No.	47116	Seq. ID	OJ000207_05.0331.C20
Gene No.	100159	Strand	-
Start	1	End	728
Name	OJ000207_05.0331.C20.o1.tm	Method	TBLASTX:Maize
Start	15	End	722
GI	none	Score	57
Exons	15..632, 24..653, 636..722, 636..722, 645..713		

Seq. No.	47116	Seq. ID	OJ000207_05.0331.C20
Gene No.	100159	Strand	-
Start	1	End	728
Name	OJ000207_05.0331.C20.o1.ts	Method	TBLASTX:Soybean
Start	15	End	725
GI	none	Score	55
Exons	15..77, 15..641, 15..626, 81..632, 147..629, 624..725, 624..722, 633..722, 636..722		

Seq. No.	47116	Seq. ID	OJ000207_05.0331.C20
Gene No.	100159	Strand	-
Start	1	End	728
Name	OJ000207_05.0331.C20.o1.tw	Method	TBLASTX:Wheat
Start	15	End	725
GI	none	Score	210
Exons	15..134, 24..272, 123..341, 168..413, 348..437, 387..725		

Seq. No.	47117	Seq. ID	OJ000207_05.0331.C21
Gene No.	100160	Strand	-
Start	825	End	1045
Name	OJ000207_05.0331.C21.o1.gs	Method	GENSCAN
Start	825	End	1045
GI	none	Score	.68

Exons	825..1045		
Seq. No.	47118	Seq. ID	OJ000207_05.0331.C22
Gene No.	100161	Strand	+
Start	1	End	439
Name	OJ000207_05.0331.C22.o1.np	Method	AAT/NAP
Start	1	End	439
GI	6522592	Score	136
Exons	1..439		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	47118	Seq. ID	OJ000207_05.0331.C22
Gene No.	100161	Strand	+
Start	1	End	439
Name	OJ000207_05.0331.C22.o1.tm	Method	TBLASTX:Maize
Start	56	End	430
GI	none	Score	55
Exons	56..112, 114..164, 164..298, 281..430		
Seq. No.	47118	Seq. ID	OJ000207_05.0331.C22
Gene No.	100161	Strand	+
Start	1	End	439
Name	OJ000207_05.0331.C22.o1.gs	Method	GENSCAN
Start	70	End	436
GI	none	Score	.46
Exons	70..436		
Seq. No.	47119	Seq. ID	OJ000207_05.0331.C29
Gene No.	100162	Strand	+
Start	980	End	1615
Name	OJ000207_05.0331.C29.o1.np	Method	AAT/NAP
Start	980	End	1615
GI	6522540	Score	152
Exons	980..1044, 1338..1615		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	47119	Seq. ID	OJ000207_05.0331.C29
Gene No.	100163	Strand	-
Start	1261	End	1330
Name	OJ000207_05.0331.C29.o1.gs	Method	GENSCAN
Start	1261	End	1330
GI	none	Score	.75
Exons	1261..1330		
Seq. No.	47120	Seq. ID	OJ000207_03.0330.C1
Gene No.	100164	Strand	-
Start	1	End	1536
Name	OJ000207_03.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	1536
GI	4454471	Score	622
Exons	1..261, 370..681, 800..916, 1493..1536		
GI Descrip.	(AC006234) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47120	Seq. ID	OJ000207_03.0330.C1
Gene No.	100164	Strand	-
Start	1	End	1536

Name	OJ000207_03.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	94	End	912
GI	none	Score	65
Exons	94..237, 140..214, 367..471, 460..648, 472..627, 548..631, 812..889, 813..890, 826..912		

Seq. No.	47120	Seq. ID	OJ000207_03.0330.C1
Gene No.	100164	Strand	-
Start	1	End	1536
Name	OJ000207_03.0330.C1.o1.gs	Method	GENSCAN
Start	166	End	916
GI	none	Score	.97
Exons	166..261, 370..681, 800..916		

Seq. No.	47120	Seq. ID	OJ000207_03.0330.C1
Gene No.	100164	Strand	-
Start	1	End	1536
Name	OJ000207_03.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	376	End	681
GI	none	Score	200
Exons	376..624, 377..625, 388..627, 410..625, 628..681		

Seq. No.	47121	Seq. ID	OJ000207_03.0330.C5
Gene No.	100165	Strand	+
Start	605	End	1648
Name	OJ000207_03.0330.C5.o1.np	Method	AAT/NAP
Start	605	End	1648
GI	6721547	Score	98
Exons	605..697, 1593..1648		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47121	Seq. ID	OJ000207_03.0330.C5
Gene No.	100166	Strand	-
Start	1285	End	1648
Name	OJ000207_03.0330.C5.o2.np	Method	AAT/NAP
Start	1285	End	1648
GI	4454471	Score	181
Exons	1285..1396, 1500..1648		
GI Descrip.	(AC006234) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47122	Seq. ID	OJ000207_03.0330.C7
Gene No.	100167	Strand	-
Start	36	End	2869
Name	OJ000207_03.0330.C7.o1.gs	Method	GENSCAN
Start	36	End	2869
GI	none	Score	.81
Exons	36..138, 235..308, 860..925, 1206..1289, 1365..1570, 2773..2869		

Seq. No.	47122	Seq. ID	OJ000207_03.0330.C7
Gene No.	100167	Strand	-
Start	36	End	2869
Name	OJ000207_03.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	39	End	1556
GI	none	Score	47
Exons	39..119, 42..116, 224..310, 229..312, 234..308, 860..928, 864..929, 1203..1289, 1204..1287, 1365..1556, 1365..1556		

Seq. No.	47122	Seq. ID	OJ000207_03.0330.C7
Gene No.	100167	Strand	-
Start	36	End	2869
Name	OJ000207_03.0330.C7.o1.np	Method	AAT/NAP
Start	57	End	2856
GI	7485642	Score	140
Exons	57..138, 185..308, 860..925, 1206..1289, 1365..1584, 2773..2856		
GI Descrip.	hypothetical protein F17L22.130 - Arabidopsis thaliana gi|4455275|emb|CAB36811.1| (AL035527) putative protein [Arabidopsis thaliana] gi|7268964|emb|CAB81274.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	47123	Seq. ID	OJ000207_03.0330.C8
Gene No.	100168	Strand	-
Start	1	End	7560
Name	OJ000207_03.0330.C8.o1.np	Method	AAT/NAP
Start	1	End	6278
GI	7485642	Score	1528
Exons	1..42, 351..907, 1487..1615, 1686..1791, 1967..2029, 2117..2321, 2467..2681, 3173..3649, 4697..4870, 6243..6278		
GI Descrip.	hypothetical protein F17L22.130 - Arabidopsis thaliana gi|4455275|emb|CAB36811.1| (AL035527) putative protein [Arabidopsis thaliana] gi|7268964|emb|CAB81274.1| (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	47123	Seq. ID	OJ000207_03.0330.C8
Gene No.	100168	Strand	-
Start	1	End	7560
Name	OJ000207_03.0330.C8.o1.gs	Method	GENSCAN
Start	351	End	7560
GI	none	Score	.78
Exons	351..626, 686..907, 1532..1618, 1686..1813, 1967..2018, 2122..2279, 2471..2681, 3173..3649, 4697..5028, 5063..5245, 5419..5580, 7478..7560		

Seq. No.	47123	Seq. ID	OJ000207_03.0330.C8
Gene No.	100168	Strand	-
Start	1	End	7560
Name	OJ000207_03.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	1966	End	2278
GI	none	Score	73
Exons	1966..2028, 1967..2026, 2119..2271, 2119..2277, 2123..2278		

Seq. No.	47124	Seq. ID	OJ000207_03.0330.C9
Gene No.	100169	Strand	+
Start	3	End	513
Name	OJ000207_03.0330.C9.o1.np	Method	AAT/NAP
Start	3	End	513
GI	7523517	Score	248
Exons	3..314, 459..513		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47124	Seq. ID	OJ000207_03.0330.C9
Gene No.	100170	Strand	-
Start	12	End	550
Name	OJ000207_03.0330.C9.o1.gs	Method	GENSCAN
Start	12	End	550

GI	none	Score	.82
Exons	12..32, 170..255, 400..550		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100171	Strand	+
Start	4631	End	5581
Name	OJ000207_03.0330.C10.o2.gp	Method	AAT/GAP
Start	4631	End	5581
GI	LIB3432-026-P1-K1-G2	Score	889
Exons	4631..4702, 4797..4937, 5310..5581		
GI Descrip.	'4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100172	Strand	+
Start	9413	End	12396
Name	OJ000207_03.0330.C10.o3.gp	Method	AAT/GAP
Start	9397	End	9738
GI	none	Score	639
Exons	9397..9738		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100172	Strand	+
Start	9413	End	12396
Name	OJ000207_03.0330.C10.o2.gs	Method	GENSCAN
Start	9413	End	12396
GI	none	Score	.68
Exons	9413..9801, 11042..11192, 11305..11383, 11505..11619, 12351..12396		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100173	Strand	+
Start	12318	End	15596
Name	OJ000207_03.0330.C10.o2.np	Method	AAT/NAP
Start	12318	End	15596
GI	6978921	Score	314
Exons	12318..12397, 13339..13521, 15205..15596		
GI Descrip.	(AC021665) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100173	Strand	+
Start	12318	End	15596
Name	OJ000207_03.0330.C10.o3.gs	Method	GENSCAN
Start	13144	End	15579
GI	none	Score	.93
Exons	13144..13521, 15205..15579		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100173	Strand	+
Start	12318	End	15596
Name	OJ000207_03.0330.C10.o4.gp	Method	AAT/GAP
Start	15205	End	15453
GI	uC-osflcyp071a03b1	Score	407
Exons	15205..15453		
GI Descrip.	'4063751 6.0e-22 (AC005851) putative white protein [Arabidopsis thaliana] >gi_4510409_gb_AAD21495.1_ (AC006929) putative white protein [Arabidopsis thaliana]'		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100174	Strand	-
Start	1	End	7000
Name	OJ000207_03.0330.C10.o1.np	Method	AAT/NAP
Start	1	End	5268
GI	6598871	Score	92
Exons	1..126, 526..668, 4827..4887, 5215..5268		
GI Descrip.	(AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100174	Strand	-
Start	1	End	7000
Name	OJ000207_03.0330.C10.o1.gs	Method	GENSCAN
Start	204	End	7000
GI	none	Score	.56
Exons	204..396, 503..647, 2865..2901, 3886..3909, 4293..4610, 6986..7000		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100174	Strand	-
Start	1	End	7000
Name	OJ000207_03.0330.C10.o1.gp	Method	AAT/GAP
Start	277	End	3035
GI	2799624	Score	907
Exons	277..396, 503..702, 2865..3035		
GI Descrip.	4206196/gb|AAD11584.1|AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100174	Strand	-
Start	1	End	7000
Name	OJ000207_03.0330.C10.o3.tm	Method	TBLASTX:Maize
Start	4835	End	5521
GI	none	Score	114
Exons	4835..4930, 4836..4937, 4838..4939, 5307..5447, 5308..5367, 5309..5518, 5310..5510, 5440..5511, 5441..5521		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100175	Strand	
Start	12864	End	15494
Name	OJ000207_03.0330.C10.o2.tm	Method	TBLASTX:Maize
Start	12864	End	13395
GI	none	Score	48
Exons	12864..12899, 12897..12950, 13137..13193, 13138..13194, 13165..13254, 13176..13253, 13254..13394, 13255..13395		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100175	Strand	
Start	12864	End	15494
Name	OJ000207_03.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	13177	End	15492
GI	none	Score	56
Exons	13177..13230, 13212..13520, 13249..13530, 15204..15425, 15205..15423, 15469..15492		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10

Gene No.	100175	Strand	
Start	12864	End	15494
Name	OJ000207_03.0330.C10.o2.ts	Method	TBLASTX:Soybean
Start	13236	End	13497
GI	none	Score	220
Exons	13236..13421, 13285..13497		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100175	Strand	
Start	12864	End	15494
Name	OJ000207_03.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	15201	End	15494
GI	none	Score	397
Exons	15201..15494, 15205..15492		

Seq. No.	47125	Seq. ID	OJ000207_03.0330.C10
Gene No.	100175	Strand	
Start	12864	End	15494
Name	OJ000207_03.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	15204	End	15432
GI	none	Score	288
Exons	15204..15431, 15205..15432		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100176	Strand	+
Start	1	End	2936
Name	OJ000207_03.0330.C11.o1.np	Method	AAT/NAP
Start	1	End	2473
GI	4063751	Score	387
Exons	1..228, 343..471, 629..823, 1140..1412, 2010..2117, 2207..2473		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100176	Strand	+
Start	1	End	2936
Name	OJ000207_03.0330.C11.o1.gs	Method	GENSCAN
Start	115	End	2936
GI	none	Score	.76
Exons	115..237, 343..471, 629..823, 972..1058, 1140..1412, 2010..2117, 2207..2395, 2527..2653, 2794..2936		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o4.ts	Method	TBLASTX:Soybean
Start	99	End	237
GI	none	Score	60
Exons	99..230, 99..236, 106..237		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o1.tc	Method	TBLASTX:Cress
Start	112	End	1267
GI	none	Score	209
Exons	112..255, 114..236, 328..468, 355..459, 629..829, 629..715, 631..822, 774..827, 972..1082, 995..1060, 1137..1265,		

1139..1267, 1139..1264

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o2.tm	Method	TBLASTX:Maize
Start	112	End	1334
GI	none	Score	203
Exons	112..255, 112..237, 114..245, 343..489, 344..469, 619..828, 620..829, 971..1060, 972..1082, 1137..1334, 1137..1277, 1139..1333		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o1.ts	Method	TBLASTX:Soybean
Start	728	End	2259
GI	none	Score	144
Exons	728..829, 730..828, 953..1060, 954..1082, 1137..1412, 1139..1414, 1139..1411, 1326..1412, 2006..2116, 2010..2117, 2191..2259, 2204..2257		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	1209	End	2314
GI	none	Score	206
Exons	1209..1409, 1209..1394, 1259..1405, 2010..2117, 2021..2119, 2204..2314		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	1335	End	2751
GI	none	Score	74
Exons	1335..1412, 1352..1414, 1352..1411, 2006..2116, 2010..2117, 2194..2460, 2204..2464, 2204..2464, 2465..2530, 2469..2540, 2612..2662, 2646..2696, 2704..2751		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o2.tc	Method	TBLASTX:Cress
Start	2279	End	2458
GI	none	Score	216
Exons	2279..2458, 2288..2458		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o2.ts	Method	TBLASTX:Soybean
Start	2297	End	2458
GI	none	Score	228
Exons	2297..2458, 2297..2458		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o2.gs	Method	GENSCAN
Start	3694	End	7378
GI	none	Score	.78
Exons	3694..3815, 4296..4473, 5234..5709, 5823..5969, 6252..6414, 7373..7378		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o2.np	Method	AAT/NAP
Start	3694	End	5950
GI	5903067	Score	801
Exons	3694..3815, 3914..3983, 4071..4153, 4296..4473, 5234..5709, 5823..5950		
GI Descrip.	(AC008016) F6D8.25 [Arabidopsis thaliana]		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o3.tm	Method	TBLASTX:Maize
Start	4435	End	5497
GI	none	Score	59
Exons	4435..4473, 4436..4474, 5233..5322, 5234..5332, 5234..5380, 5257..5367, 5384..5416, 5385..5423, 5462..5497		

Seq. No.	47126	Seq. ID	OJ000207_03.0330.C11
Gene No.	100177	Strand	-
Start	3694	End	7378
Name	OJ000207_03.0330.C11.o3.ts	Method	TBLASTX:Soybean
Start	5330	End	5878
GI	none	Score	99
Exons	5330..5416, 5468..5602, 5498..5587, 5627..5707, 5628..5708, 5821..5877, 5822..5878		

Seq. No.	47127	Seq. ID	OJ000207_03.0330.C12
Gene No.	100178	Strand	-
Start	1758	End	1916
Name	OJ000207_03.0330.C12.o1.gs	Method	GENSCAN
Start	1758	End	1916
GI	none	Score	.88
Exons	1758..1916		

Seq. No.	47128	Seq. ID	OJ000207_03.0330.C13
Gene No.	100179	Strand	+
Start	85	End	270
Name	OJ000207_03.0330.C13.o1.gs	Method	GENSCAN
Start	85	End	270
GI	none	Score	.43
Exons	85..270		

Seq. No.	47128	Seq. ID	OJ000207_03.0330.C13
Gene No.	100180	Strand	+
Start	1868	End	5205
Name	OJ000207_03.0330.C13.o1.np	Method	AAT/NAP

Start	1868	End	5205
GI	4506795	Score	107
Exons	1868..2343, 4985..5205		
GI Descrip.	spinocerebellar ataxia 2 (olivopontocerebellar ataxia 2, autosomal dominant, ataxin 2) gi|1679684|gb|AAB19200.1| (U70323) ataxin-2 [Homo sapiens]		

Seq. No.	47128	Seq. ID	OJ000207_03.0330.C13
Gene No.	100181	Strand	-
Start	1956	End	2270
Name	OJ000207_03.0330.C13.o2.gs	Method	GENSCAN
Start	1956	End	2270
GI	none	Score	.44
Exons	1956..2270		

Seq. No.	47129	Seq. ID	OJ000207_03.0330.C14
Gene No.	100182	Strand	+
Start	783	End	1339
Name	OJ000207_03.0330.C14.o1.gs	Method	GENSCAN
Start	783	End	1339
GI	none	Score	.8
Exons	783..852, 1163..1297, 1308..1339		

Seq. No.	47129	Seq. ID	OJ000207_03.0330.C14
Gene No.	100183	Strand	-
Start	3627	End	7470
Name	OJ000207_03.0330.C14.o3.gs	Method	GENSCAN
Start	3627	End	7470
GI	none	Score	.84
Exons	3627..3655, 3672..3929, 3976..4109, 7373..7470		

Seq. No.	47129	Seq. ID	OJ000207_03.0330.C14
Gene No.	100183	Strand	-
Start	3627	End	7470
Name	OJ000207_03.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	4402	End	4674
GI	none	Score	41
Exons	4402..4500, 4486..4551, 4495..4674, 4580..4657		

Seq. No.	47129	Seq. ID	OJ000207_03.0330.C14
Gene No.	100183	Strand	-
Start	3627	End	7470
Name	OJ000207_03.0330.C14.o1.tw	Method	TBLASTX:Wheat
Start	4569	End	4893
GI	none	Score	40
Exons	4569..4598, 4582..4674, 4677..4889, 4771..4893		

Seq. No.	47130	Seq. ID	OJ000207_03.0330.C15
Gene No.	100184	Strand	+
Start	598	End	626
Name	OJ000207_03.0330.C15.o1.gs	Method	GENSCAN
Start	598	End	626
GI	none	Score	.44
Exons	598..626		

Seq. No.	47130	Seq. ID	OJ000207_03.0330.C15
Gene No.	100185	Strand	-

Start	5255	End	5413
Name	OJ000207_03.0330.C15.o2.gs	Method	GENSCAN
Start	5255	End	5413
GI	none	Score	.68
Exons	5255..5413		

Seq. No.	47130	Seq. ID	OJ000207_03.0330.C15
Gene No.	100186	Strand	-
Start	5826	End	7113
Name	OJ000207_03.0330.C15.o3.gs	Method	GENSCAN
Start	5826	End	7113
GI	none	Score	.6
Exons	5826..6363, 6455..6561, 7003..7113		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o1.np	Method	AAT/NAP
Start	1	End	3243
GI	7021732	Score	1019
Exons	1..46, 164..869, 897..1046, 2766..2856, 2974..3131, 3216..3243		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o1.gs	Method	GENSCAN
Start	68	End	3176
GI	none	Score	.9
Exons	68..1046, 2766..2856, 2974..3176		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o1.tm	Method	TBLASTX:Maize
Start	72	End	530
GI	none	Score	281
Exons	72..284, 72..284, 74..286, 238..297, 274..399, 275..529, 276..530		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o1.tc	Method	TBLASTX:Cress
Start	240	End	665
GI	none	Score	140
Exons	240..341, 245..343, 261..353, 399..575, 470..574, 596..658, 597..665		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o2.ts	Method	TBLASTX:Soybean
Start	245	End	563
GI	none	Score	136
Exons	245..343, 246..341, 378..563, 389..562		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o2.tm	Method	TBLASTX:Maize
Start	714	End	3242
GI	none	Score	64
Exons	714..764, 884..1045, 885..1055, 2763..2855, 2764..2856, 2765..2854, 2972..3127, 2973..3131, 2974..3135, 2975..3133, 2980..3138, 3212..3241, 3213..3242		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o1.ts	Method	TBLASTX:Soybean
Start	921	End	3242
GI	none	Score	131
Exons	921..1055, 923..1039, 2762..2854, 2763..2855, 2764..2856, 2768..2854, 2972..3022, 2973..3023, 3015..3131, 3017..3127, 3021..3131, 3025..3132, 3025..3132, 3026..3133, 3219..3242		

Seq. No.	47131	Seq. ID	OJ000207_03.0330.C16
Gene No.	100187	Strand	+
Start	1	End	3243
Name	OJ000207_03.0330.C16.o2.tc	Method	TBLASTX:Cress
Start	2808	End	3132
GI	none	Score	53
Exons	2808..2855, 2972..3127, 2973..3131, 2980..3132		

Seq. No.	47132	Seq. ID	OJ000207_03.0330.C18
Gene No.	100188	Strand	-
Start	650	End	1360
Name	OJ000207_03.0330.C18.o1.gs	Method	GENSCAN
Start	650	End	1360
GI	none	Score	.64
Exons	650..870, 1076..1130, 1223..1254, 1348..1360		

Seq. No.	47133	Seq. ID	OJ000207_03.0330.C20
Gene No.	100189	Strand	+
Start	2719	End	5484
Name	OJ000207_03.0330.C20.o2.gs	Method	GENSCAN
Start	2719	End	5484
GI	none	Score	.54
Exons	2719..2783, 3570..3757, 3855..3942, 4256..4309, 5270..5484		

Seq. No.	47133	Seq. ID	OJ000207_03.0330.C20
Gene No.	100190	Strand	-
Start	1639	End	1943
Name	OJ000207_03.0330.C20.o1.gs	Method	GENSCAN
Start	1639	End	1943
GI	none	Score	.97
Exons	1639..1707, 1758..1943		

Seq. No.	47133	Seq. ID	OJ000207_03.0330.C20
Gene No.	100191	Strand	-
Start	3379	End	3955
Name	OJ000207_03.0330.C20.o1.np	Method	AAT/NAP
Start	3379	End	3955

GI	5091507	Score	315
Exons	3379..3496, 3699..3742, 3793..3955		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	47134	Seq. ID	OJ000207_03.0330.C21
Gene No.	100192	Strand	+
Start	1	End	2256
Name	OJ000207_03.0330.C21.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	4454460	Score	365
Exons	1..97, 128..639, 783..985, 1121..1180		
GI Descrip.	(AC006234) AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	47134	Seq. ID	OJ000207_03.0330.C21
Gene No.	100192	Strand	+
Start	1	End	2256
Name	OJ000207_03.0330.C21.o1.gs	Method	GENSCAN
Start	54	End	2256
GI	none	Score	.69
Exons	54..142, 182..1123, 1143..1301, 1810..1951, 2162..2256		

Seq. No.	47134	Seq. ID	OJ000207_03.0330.C21
Gene No.	100193	Strand	-
Start	2347	End	3480
Name	OJ000207_03.0330.C21.o1.tm	Method	TBLASTX:Maize
Start	301	End	612
GI	none	Score	299
Exons	301..333, 415..612, 422..610		

Seq. No.	47134	Seq. ID	OJ000207_03.0330.C21
Gene No.	100193	Strand	-
Start	2347	End	3480
Name	OJ000207_03.0330.C21.o1.ts	Method	TBLASTX:Soybean
Start	302	End	634
GI	none	Score	86
Exons	302..370, 310..360, 433..612, 434..634, 491..628		

Seq. No.	47134	Seq. ID	OJ000207_03.0330.C21
Gene No.	100193	Strand	-
Start	2347	End	3480
Name	OJ000207_03.0330.C21.o1.tc	Method	TBLASTX:Cress
Start	415	End	643
GI	none	Score	307
Exons	415..609, 416..643		

Seq. No.	47134	Seq. ID	OJ000207_03.0330.C21
Gene No.	100193	Strand	-
Start	2347	End	3480
Name	OJ000207_03.0330.C21.o1.tw	Method	TBLASTX:Wheat
Start	440	End	610
GI	none	Score	186
Exons	440..610		

Seq. No.	47134	Seq. ID	OJ000207_03.0330.C21
Gene No.	100193	Strand	-
Start	2347	End	3480

Name	OJ000207_03.0330.C21.o2.gs	Method	GENSCAN
Start	2347	End	3480
GI	none	Score	.78
Exons	2347..3039, 3223..3480		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100194	Strand	+
Start	173	End	1068
Name	OJ000207_03.0330.C23.o1.gs	Method	GENSCAN
Start	173	End	831
GI	none	Score	.98
Exons	173..236, 287..831		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100194	Strand	+
Start	173	End	1068
Name	OJ000207_03.0330.C23.o1.gp	Method	AAT/GAP
Start	353	End	1068
GI	58152_1.R1084	Score	1395
Exons	353..1068		
GI Descrip.	'1362192/pir||JT0703 4.0e-23 ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize'		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100194	Strand	+
Start	173	End	1068
Name	OJ000207_03.0330.C23.o1.np	Method	AAT/NAP
Start	535	End	825
GI	1362192	Score	400
Exons	535..825		
GI Descrip.	ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100195	Strand	+
Start	8646	End	10684
Name	OJ000207_03.0330.C23.o3.gs	Method	GENSCAN
Start	8646	End	10684
GI	none	Score	.92
Exons	8646..9671, 9767..10684		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100196	Strand	-
Start	3992	End	5405
Name	OJ000207_03.0330.C23.o2.gs	Method	GENSCAN
Start	3992	End	5405
GI	none	Score	.84
Exons	3992..4427, 4473..4819, 5295..5405		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100197	Strand	-
Start	6502	End	6586
Name	OJ000207_03.0330.C23.o1.tm	Method	TBLASTX:Maize
Start	308	End	831
GI	none	Score	82
Exons	308..370, 314..370, 433..462, 505..798, 516..797, 766..831		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100197	Strand	-
Start	6502	End	6586
Name	OJ000207_03.0330.C23.o1.ts	Method	TBLASTX:Soybean
Start	583	End	798
GI	none	Score	192
Exons	583..744, 585..743, 771..794, 772..798		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100197	Strand	-
Start	6502	End	6586
Name	OJ000207_03.0330.C23.o2.np	Method	AAT/NAP
Start	6502	End	6586
GI	6721547	Score	86
Exons	6502..6586		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47135	Seq. ID	OJ000207_03.0330.C23
Gene No.	100198	Strand	
Start	9913	End	10324
Name	OJ000207_03.0330.C23.o2.tm	Method	TBLASTX:Maize
Start	9913	End	10324
GI	none	Score	75
Exons	9913..9972, 9916..9966, 9917..9973, 9917..9979, 9952..10077, 9974..10036, 9976..10071, 9977..10081, 10096..10200, 10108..10197, 10121..10198, 10295..10324, 10295..10321		

Seq. No.	47136	Seq. ID	OJ000207_03.0330.C24
Gene No.	100199	Strand	+
Start	998	End	1245
Name	OJ000207_03.0330.C24.o1.gs	Method	GENSCAN
Start	998	End	1245
GI	none	Score	.98
Exons	998..1096, 1184..1245		

Seq. No.	47137	Seq. ID	OJ000207_03.0330.C25
Gene No.	100200	Strand	+
Start	1	End	1228
Name	OJ000207_03.0330.C25.o1.np	Method	AAT/NAP
Start	1	End	1228
GI	6539580	Score	475
Exons	1..38, 489..1228		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47137	Seq. ID	OJ000207_03.0330.C25
Gene No.	100200	Strand	+
Start	1	End	1228
Name	OJ000207_03.0330.C25.o1.gs	Method	GENSCAN
Start	977	End	1118
GI	none	Score	.52
Exons	977..1118		

Seq. No.	47138	Seq. ID	OJ000207_03.0330.C26
Gene No.	100201	Strand	+
Start	69	End	515
Name	OJ000207_03.0330.C26.o1.gs	Method	GENSCAN
Start	69	End	515

GI	none	Score	.9
Exons	69..78, 187..267, 370..515		

Seq. No.	47139	Seq. ID	OJ000207_03.0330.C27
Gene No.	100202	Strand	+
Start	1	End	938
Name	OJ000207_03.0330.C27.o1.np	Method	AAT/NAP
Start	1	End	938
GI	6539581	Score	974
Exons	1..938		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	47139	Seq. ID	OJ000207_03.0330.C27
Gene No.	100202	Strand	+
Start	1	End	938
Name	OJ000207_03.0330.C27.o1.gs	Method	GENSCAN
Start	9	End	838
GI	none	Score	.48
Exons	9..838		

Seq. No.	47139	Seq. ID	OJ000207_03.0330.C27
Gene No.	100202	Strand	+
Start	1	End	938
Name	OJ000207_03.0330.C27.o1.tc	Method	TBLASTX:Cress
Start	39	End	365
GI	none	Score	232
Exons	39..275, 48..365, 71..355		

Seq. No.	47139	Seq. ID	OJ000207_03.0330.C27
Gene No.	100202	Strand	+
Start	1	End	938
Name	OJ000207_03.0330.C27.o1.tm	Method	TBLASTX:Maize
Start	48	End	445
GI	none	Score	311
Exons	48..431, 138..413, 149..445		

Seq. No.	47139	Seq. ID	OJ000207_03.0330.C27
Gene No.	100202	Strand	+
Start	1	End	938
Name	OJ000207_03.0330.C27.o1.ts	Method	TBLASTX:Soybean
Start	107	End	812
GI	none	Score	306
Exons	107..397, 108..452, 498..656, 744..812		

Seq. No.	47139	Seq. ID	OJ000207_03.0330.C27
Gene No.	100202	Strand	+
Start	1	End	938
Name	OJ000207_03.0330.C27.o1.tw	Method	TBLASTX:Wheat
Start	281	End	719
GI	none	Score	186
Exons	281..457, 282..476, 473..718, 477..719		

Seq. No.	47140	Seq. ID	OJ000207_03.0330.C29
Gene No.	100203	Strand	+
Start	246	End	507
Name	OJ000207_03.0330.C29.o1.gs	Method	GENSCAN

Start	246	End	507
GI	none	Score	.9
Exons	246..371, 454..507		

Seq. No.	47141	Seq. ID	OJ000217_09.0320.C2
Gene No.	100204	Strand	-
Start	1	End	4949
Name	OJ000217_09.0320.C2.o1.np	Method	AAT/NAP
Start	1	End	4949
GI	4773893	Score	345
Exons	1..251, 363..567, 2922..3016, 4907..4949		
GI Descrip.	(AF076243) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	47141	Seq. ID	OJ000217_09.0320.C2
Gene No.	100204	Strand	-
Start	1	End	4949
Name	OJ000217_09.0320.C2.o1.gs	Method	GENSCAN
Start	16	End	4908
GI	none	Score	.63
Exons	16..251, 363..573, 825..914, 2686..2727, 2931..3034, 3205..3291, 3559..3710, 4829..4908		

Seq. No.	47141	Seq. ID	OJ000217_09.0320.C2
Gene No.	100204	Strand	-
Start	1	End	4949
Name	OJ000217_09.0320.C2.o1.tc	Method	TBLASTX:Cress
Start	41	End	3020
GI	none	Score	76
Exons	41..253, 46..228, 70..258, 364..579, 377..505, 2895..3020, 2896..3015		

Seq. No.	47141	Seq. ID	OJ000217_09.0320.C2
Gene No.	100204	Strand	-
Start	1	End	4949
Name	OJ000217_09.0320.C2.o1.tm	Method	TBLASTX:Maize
Start	61	End	2993
GI	none	Score	63
Exons	61..150, 70..264, 361..579, 2931..2993		

Seq. No.	47141	Seq. ID	OJ000217_09.0320.C2
Gene No.	100204	Strand	-
Start	1	End	4949
Name	OJ000217_09.0320.C2.o1.ts	Method	TBLASTX:Soybean
Start	67	End	3042
GI	none	Score	102
Exons	67..258, 350..505, 364..504, 2931..3017, 2932..3042		

Seq. No.	47141	Seq. ID	OJ000217_09.0320.C2
Gene No.	100204	Strand	-
Start	1	End	4949
Name	OJ000217_09.0320.C2.o1.tw	Method	TBLASTX:Wheat
Start	70	End	519
GI	none	Score	118
Exons	70..264, 361..519		

Seq. No.	47142	Seq. ID	OJ000217_09.0320.C3

Gene No.	100205	Strand	-
Start	2264	End	2680
Name	OJ000217_09.0320.C3.o1.gs	Method	GENSCAN
Start	2264	End	2680
GI	none	Score	.96
Exons	2264..2680		

Seq. No.	47142	Seq. ID	OJ000217_09.0320.C3
Gene No.	100206	Strand	-
Start	3140	End	8613
Name	OJ000217_09.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	2333	End	2684
GI	none	Score	103
Exons	2333..2476, 2492..2683, 2520..2684		

Seq. No.	47142	Seq. ID	OJ000217_09.0320.C3
Gene No.	100206	Strand	-
Start	3140	End	8613
Name	OJ000217_09.0320.C3.o2.gs	Method	GENSCAN
Start	3140	End	8482
GI	none	Score	.69
Exons	3140..3270, 3965..4095, 4756..4857, 5411..5501, 7194..7245, 8045..8139, 8334..8482		

Seq. No.	47142	Seq. ID	OJ000217_09.0320.C3
Gene No.	100206	Strand	-
Start	3140	End	8613
Name	OJ000217_09.0320.C3.o1.np	Method	AAT/NAP
Start	4182	End	5336
GI	4680203	Score	347
Exons	4182..4413, 4625..5336		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47142	Seq. ID	OJ000217_09.0320.C3
Gene No.	100206	Strand	-
Start	3140	End	8613
Name	OJ000217_09.0320.C3.o2.np	Method	AAT/NAP
Start	4521	End	8613
GI	5042463	Score	105
Exons	4521..4565, 6275..6349, 6401..6543, 7177..7408, 8502..8613		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	47142	Seq. ID	OJ000217_09.0320.C3
Gene No.	100206	Strand	-
Start	3140	End	8613
Name	OJ000217_09.0320.C3.o1.ts	Method	TBLASTX:Soybean
Start	5149	End	5370
GI	none	Score	99
Exons	5149..5370, 5154..5339		

Seq. No.	47143	Seq. ID	OJ000217_09.0320.C4
Gene No.	100207	Strand	+
Start	187	End	311
Name	OJ000217_09.0320.C4.o1.gs	Method	GENSCAN
Start	187	End	311
GI	none	Score	.99
Exons	187..311		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100208	Strand	+
Start	14	End	6495
Name	OJ000217_09.0320.C5.o1.np	Method	AAT/NAP
Start	14	End	6495
GI	6691191	Score	2840
Exons	14..57, 3525..6495		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100208	Strand	+
Start	14	End	6495
Name	OJ000217_09.0320.C5.o1.gs	Method	GENSCAN
Start	760	End	1470
GI	none	Score	.75
Exons	760..901, 1145..1470		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100209	Strand	+
Start	10268	End	14952
Name	OJ000217_09.0320.C5.o2.np	Method	AAT/NAP
Start	10268	End	14952
GI	5852181	Score	115
Exons	10268..10286, 13458..13679, 14921..14952		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100210	Strand	+
Start	17310	End	27569
Name	OJ000217_09.0320.C5.o5.np	Method	AAT/NAP
Start	17310	End	27569
GI	6714278	Score	69
Exons	17310..17426, 26475..26543, 26956..27115, 27541..27569		
GI Descrip.	(AC017118) F6N18.17 [Arabidopsis thaliana]		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100210	Strand	+
Start	17310	End	27569
Name	OJ000217_09.0320.C5.o6.gs	Method	GENSCAN
Start	22505	End	24159
GI	none	Score	.8
Exons	22505..22521, 22676..22774, 23543..23648, 23947..24159		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100210	Strand	+
Start	17310	End	27569
Name	OJ000217_09.0320.C5.o1.gp	Method	AAT/GAP
Start	22565	End	23875
GI	287073	Score	780
Exons	22565..22774, 23543..23640, 23770..23875		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100210	Strand	+
Start	17310	End	27569
Name	OJ000217_09.0320.C5.o7.gs	Method	GENSCAN
Start	26836	End	27318

GI	none	Score	.68
Exons	26836..27318		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100210	Strand	+
Start	17310	End	27569
Name	OJ000217_09.0320.C5.o2.gp	Method	AAT/GAP
Start	26952	End	27285
GI	none	Score	638
Exons	26952..27285		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100211	Strand	-
Start	1735	End	2402
Name	OJ000217_09.0320.C5.o2.gs	Method	GENSCAN
Start	1735	End	2402
GI	none	Score	.42
Exons	1735..1937, 2036..2402		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o7.tw	Method	TBLASTX:Wheat
Start	955	End	1308
GI	none	Score	221
Exons	955..1308		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o3.tm	Method	TBLASTX:Maize
Start	2034	End	2429
GI	none	Score	77
Exons	2034..2114, 2154..2429, 2187..2399		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o2.tc	Method	TBLASTX:Cress
Start	2154	End	2483
GI	none	Score	239
Exons	2154..2483		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o5.ts	Method	TBLASTX:Soybean
Start	2154	End	2483
GI	none	Score	78
Exons	2154..2483, 2194..2385		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o3.ts	Method	TBLASTX:Soybean
Start	3747	End	4170
GI	none	Score	107

Exons	3747..3923, 3773..3922, 3932..4012, 4011..4163, 4012..4170, 4033..4158		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o6.tw	Method	TBLASTX:Wheat
Start	3756	End	4149
GI	none	Score	105
Exons	3756..3923, 3764..3922, 3890..4012, 3922..4011, 4015..4149		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o2.tm	Method	TBLASTX:Maize
Start	4036	End	4395
GI	none	Score	227
Exons	4036..4395		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o1.tw	Method	TBLASTX:Wheat
Start	4246	End	4677
GI	none	Score	571
Exons	4246..4677, 4248..4298, 4267..4653, 4362..4667		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	4411	End	4959
GI	none	Score	278
Exons	4411..4824, 4503..4823, 4816..4959		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o2.ts	Method	TBLASTX:Soybean
Start	4537	End	4892
GI	none	Score	71
Exons	4537..4602, 4602..4892, 4603..4890		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o2.tw	Method	TBLASTX:Wheat
Start	4677	End	4983
GI	none	Score	69
Exons	4677..4982, 4679..4912, 4681..4983		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o4.tw	Method	TBLASTX:Wheat
Start	4996	End	5466
GI	none	Score	190

Exons	4996..5199, 4998..5129, 4999..5166, 5194..5283, 5263..5466		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o6.ts	Method	TBLASTX:Soybean
Start	5002	End	5196
GI	none	Score	195
Exons	5002..5136, 5002..5118, 5016..5123, 5155..5196		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o1.tc	Method	TBLASTX:Cress
Start	5179	End	14715
GI	none	Score	63
Exons	5179..5256, 5260..5562, 5412..5561, 14596..14715		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o4.ts	Method	TBLASTX:Soybean
Start	5583	End	14372
GI	none	Score	71
Exons	5583..5624, 5584..5625, 5620..5907, 5649..5906, 14080..14292, 14081..14245, 14301..14372, 14303..14371		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o5.tw	Method	TBLASTX:Wheat
Start	5584	End	14375
GI	none	Score	277
Exons	5584..5895, 5589..5819, 14062..14274, 14107..14274, 14300..14374, 14301..14375		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	5908	End	14078
GI	none	Score	376
Exons	5908..6297, 5910..6290, 6307..6396, 13751..14053, 13911..14054, 13950..14078, 13957..14061		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o3.tw	Method	TBLASTX:Wheat
Start	5914	End	14053
GI	none	Score	372
Exons	5914..6270, 5920..6300, 5976..6299, 13751..14053, 13908..14027, 13912..14028		
Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558

Name	OJ000217_09.0320.C5.o3.np	Method	AAT/NAP
Start	12475	End	14751
GI	6691193	Score	564
Exons	12475..12524, 13753..14362, 14527..14751		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o4.np	Method	AAT/NAP
Start	13387	End	15865
GI	7340860	Score	84
Exons	13387..13479, 13806..13855, 14915..15097, 15714..15865		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47144	Seq. ID	OJ000217_09.0320.C5
Gene No.	100212	Strand	-
Start	12475	End	19558
Name	OJ000217_09.0320.C5.o5.gs	Method	GENSCAN
Start	13735	End	19558
GI	none	Score	.46
Exons	13735..14190, 14626..14719, 14904..15093, 15631..15796, 17116..17208, 17352..17705, 19556..19558		

Seq. No.	47145	Seq. ID	OJ000217_09.0320.C6
Gene No.	100213	Strand	+
Start	165	End	3463
Name	OJ000217_09.0320.C6.o1.tw	Method	TBLASTX:Wheat
Start	161	End	3054
GI	none	Score	131
Exons	161..277, 199..276, 206..280, 347..412, 348..422, 367..414, 2602..2676, 2605..2676, 2606..2698, 2737..2868, 2756..2881, 2804..2881, 2988..3053, 2995..3054, 3003..3053		

Seq. No.	47145	Seq. ID	OJ000217_09.0320.C6
Gene No.	100213	Strand	+
Start	165	End	3463
Name	OJ000217_09.0320.C6.o1.gs	Method	GENSCAN
Start	165	End	3063
GI	none	Score	.78
Exons	165..275, 367..411, 2605..2677, 2757..2869, 3004..3063		

Seq. No.	47145	Seq. ID	OJ000217_09.0320.C6
Gene No.	100213	Strand	+
Start	165	End	3463
Name	OJ000217_09.0320.C6.o1.np	Method	AAT/NAP
Start	165	End	3463
GI	6553920	Score	340
Exons	165..275, 367..411, 2605..2677, 2757..2869, 3004..3067, 3399..3463		
GI Descrip.	(AC012329) putative RNA-binding protein [Arabidopsis thaliana] gi|6723409|emb|CAB66418.1| (AL132956) RNA-binding-like protein [Arabidopsis thaliana]		

Seq. No.	47145	Seq. ID	OJ000217_09.0320.C6
Gene No.	100213	Strand	+

Start	165	End	3463
Name	OJ000217_09.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	169	End	3069
GI	none	Score	36
Exons	169..195, 206..280, 228..278, 228..290, 363..422, 367..414, 2604..2675, 2605..2685, 2606..2686, 2731..2865, 2759..2881, 2804..2866, 2958..3068, 2995..3069		

Seq. No.	47145	Seq. ID	OJ000217_09.0320.C6
Gene No.	100213	Strand	+
Start	165	End	3463
Name	OJ000217_09.0320.C6.o1.ts	Method	TBLASTX:Soybean
Start	177	End	3069
GI	none	Score	83
Exons	177..275, 367..414, 2604..2675, 2605..2676, 2605..2670, 2612..2701, 2753..2845, 2758..2850, 2758..2865, 2759..2869, 2995..3069		

Seq. No.	47145	Seq. ID	OJ000217_09.0320.C6
Gene No.	100213	Strand	+
Start	165	End	3463
Name	OJ000217_09.0320.C6.o1.tc	Method	TBLASTX:Cress
Start	228	End	3069
GI	none	Score	67
Exons	228..278, 231..314, 364..414, 2594..2674, 2604..2675, 2605..2676, 2725..2865, 2753..2839, 2755..2853, 2756..2881, 2961..3068, 2995..3069		

Seq. No.	47145	Seq. ID	OJ000217_09.0320.C6
Gene No.	100213	Strand	+
Start	165	End	3463
Name	OJ000217_09.0320.C6.o1.gp	Method	AAT/GAP
Start	2621	End	3065
GI	31201_1.R1084	Score	348
Exons	2621..2677, 2757..2869, 3004..3065		
GI Descrip.	'4115925 2.0e-48 (AF118222) contains similarity to RNA recognition motifs (Pfam: PF00076, Score=5.5e-23, N=2) [Arabidopsis thaliana] >gi_4539439_emb_CAB40027.1_ (AL049523) RNA-binding protein [Arabidopsis thaliana] >gi_4959384_gb_AAD34325.1_ (AF109721) RNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	47146	Seq. ID	OJ000217_09.0320.C7
Gene No.	100214	Strand	+
Start	2064	End	2616
Name	OJ000217_09.0320.C7.o1.gs	Method	GENSCAN
Start	2064	End	2616
GI	none	Score	.87
Exons	2064..2616		

Seq. No.	47146	Seq. ID	OJ000217_09.0320.C7
Gene No.	100215	Strand	+
Start	12943	End	13513
Name	OJ000217_09.0320.C7.o4.gs	Method	GENSCAN
Start	12943	End	13513
GI	none	Score	.49
Exons	12943..13070, 13375..13513		

Seq. No.	47146	Seq. ID	OJ000217_09.0320.C7
Gene No.	100216	Strand	-
Start	2000	End	12574
Name	OJ000217_09.0320.C7.o1.np	Method	AAT/NAP
Start	2000	End	12265
GI	7485548	Score	205
Exons	2000..2232, 2266..2374, 4510..4550, 9001..9113, 12075..12265		
GI Descrip.	hypothetical protein F16B22.7 - Arabidopsis thaliana gi|3341678|gb|AAC27460.1| (AC003672) putative C3HC4-type RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	47146	Seq. ID	OJ000217_09.0320.C7
Gene No.	100216	Strand	-
Start	2000	End	12574
Name	OJ000217_09.0320.C7.o3.gs	Method	GENSCAN
Start	7801	End	12574
GI	none	Score	.81
Exons	7801..8209, 9161..9352, 11448..11514, 12082..12574		

Seq. No.	47146	Seq. ID	OJ000217_09.0320.C7
Gene No.	100217	Strand	-
Start	13803	End	14029
Name	OJ000217_09.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	2104	End	12265
GI	none	Score	130
Exons	2104..2241, 2105..2242, 12137..12265, 12138..12260		

Seq. No.	47146	Seq. ID	OJ000217_09.0320.C7
Gene No.	100217	Strand	-
Start	13803	End	14029
Name	OJ000217_09.0320.C7.o5.gs	Method	GENSCAN
Start	13803	End	14029
GI	none	Score	.82
Exons	13803..14029		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100218	Strand	+
Start	203	End	501
Name	OJ000217_09.0320.C8.o1.gs	Method	GENSCAN
Start	203	End	501
GI	none	Score	.41
Exons	203..259, 382..501		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100219	Strand	+
Start	15312	End	15405
Name	OJ000217_09.0320.C8.o1.gp	Method	AAT/GAP
Start	15312	End	15405
GI	LIB3477-003-P1-K1-E9	Score	155
Exons	15312..15405		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100220	Strand	+

Start	20403	End	25619
Name	OJ000217_09.0320.C8.o3.np	Method	AAT/NAP
Start	20403	End	25619
GI	6815062	Score	4367
Exons	20403..21914, 22122..22193, 22285..22953, 23028..23219, 23298..23869, 23936..24034, 24102..24402, 25301..25404, 25475..25619		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100221	Strand	-
Start	2583	End	4367
Name	OJ000217_09.0320.C8.o2.gs	Method	GENSCAN
Start	2583	End	4367
GI	none	Score	.66
Exons	2583..2751, 2832..2979, 3902..4367		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100222	Strand	-
Start	5464	End	14818
Name	OJ000217_09.0320.C8.o3.gs	Method	GENSCAN
Start	5464	End	6523
GI	none	Score	.51
Exons	5464..5732, 5901..6084, 6146..6523		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100222	Strand	-
Start	5464	End	14818
Name	OJ000217_09.0320.C8.o2.np	Method	AAT/NAP
Start	5500	End	14818
GI	7444451	Score	393
Exons	5500..6128, 14740..14818		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100222	Strand	-
Start	5464	End	14818
Name	OJ000217_09.0320.C8.o4.gs	Method	GENSCAN
Start	7278	End	14746
GI	none	Score	.47
Exons	7278..7631, 9343..9363, 9618..9740, 11466..11520, 12387..12526, 12620..12698, 13283..13409, 14476..14746		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100223	Strand	-
Start	17453	End	17782
Name	OJ000217_09.0320.C8.o5.gs	Method	GENSCAN
Start	17453	End	17782
GI	none	Score	.96
Exons	17453..17782		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-

Start	25959	End	26635
Name	OJ000217_09.0320.C8.o6.tm	Method	TBLASTX:Maize
Start	3885	End	4035
GI	none	Score	78
Exons	3885..4034, 3946..4035		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	5539	End	5953
GI	none	Score	45
Exons	5539..5901, 5621..5665, 5780..5914, 5891..5953, 5901..5942		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o3.tm	Method	TBLASTX:Maize
Start	5542	End	5889
GI	none	Score	109
Exons	5542..5889, 5546..5677, 5554..5856, 5792..5887		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o5.tm	Method	TBLASTX:Maize
Start	5891	End	6147
GI	none	Score	60
Exons	5891..6001, 5901..5978, 6003..6038, 6003..6038, 6034..6129, 6040..6147		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o2.tm	Method	TBLASTX:Maize
Start	20444	End	20989
GI	none	Score	139
Exons	20444..20566, 20448..20633, 20460..20639, 20621..20989, 20622..20987		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	22489	End	23093
GI	none	Score	99
Exons	22489..22617, 22645..22956, 22647..22904, 22669..22911, 23014..23091, 23016..23093, 23016..23090		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o4.tm	Method	TBLASTX:Maize
Start	23172	End	23874
GI	none	Score	53
Exons	23172..23231, 23298..23507, 23572..23649, 23573..23869, 23631..23705, 23758..23874		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o7.tm	Method	TBLASTX:Maize
Start	25880	End	26616
GI	none	Score	105
Exons	25880..26002, 25881..26000, 25881..26009, 25894..26010, 25994..26038, 26038..26148, 26038..26160, 26045..26161, 26372..26494, 26373..26492, 26374..26496, 26386..26502, 26474..26611, 26487..26612, 26490..26615, 26500..26616		

Seq. No.	47147	Seq. ID	OJ000217_09.0320.C8
Gene No.	100224	Strand	-
Start	25959	End	26635
Name	OJ000217_09.0320.C8.o4.np	Method	AAT/NAP
Start	25959	End	26635
GI	7339719	Score	121
Exons	25959..26056, 26311..26635		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	47148	Seq. ID	OJ000217_09.0320.C9
Gene No.	100225	Strand	+
Start	3930	End	4020
Name	OJ000217_09.0320.C9.o1.gp	Method	AAT/GAP
Start	3930	End	4020
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	3930..4020		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47148	Seq. ID	OJ000217_09.0320.C9
Gene No.	100226	Strand	+
Start	4676	End	5268
Name	OJ000217_09.0320.C9.o2.gs	Method	GENSCAN
Start	4676	End	5268
GI	none	Score	.66
Exons	4676..4887, 4968..5268		

Seq. No.	47148	Seq. ID	OJ000217_09.0320.C9
Gene No.	100227	Strand	-
Start	817	End	3481
Name	OJ000217_09.0320.C9.o1.gs	Method	GENSCAN
Start	817	End	3481
GI	none	Score	.47
Exons	817..1208, 1355..1492, 1570..1835, 2555..2655, 3467..3481		

Seq. No.	47148	Seq. ID	OJ000217_09.0320.C9
Gene No.	100227	Strand	-
Start	817	End	3481
Name	OJ000217_09.0320.C9.o2.np	Method	AAT/NAP
Start	1127	End	1700
GI	7523670	Score	225
Exons	1127..1700		
GI Descrip.	(AC006423) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	47148	Seq. ID	OJ000217_09.0320.C9
Gene No.	100227	Strand	-
Start	817	End	3481
Name	OJ000217_09.0320.C9.o1.tw	Method	TBLASTX:Wheat
Start	1179	End	1523
GI	none	Score	91
Exons	1179..1331, 1329..1523, 1344..1508, 1378..1515		

Seq. No.	47149	Seq. ID	OJ000217_09.0320.C10
Gene No.	100228	Strand	+
Start	10	End	1874
Name	OJ000217_09.0320.C10.o1.np	Method	AAT/NAP
Start	10	End	593
GI	7362788	Score	47
Exons	10..112, 423..593		
GI Descrip.	(AL138638) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	47149	Seq. ID	OJ000217_09.0320.C10
Gene No.	100228	Strand	+
Start	10	End	1874
Name	OJ000217_09.0320.C10.o1.gs	Method	GENSCAN
Start	97	End	1874
GI	none	Score	.55
Exons	97..112, 407..652, 756..1037, 1744..1874		

Seq. No.	47150	Seq. ID	OJ000217_09.0320.C11
Gene No.	100229	Strand	-
Start	416	End	4221
Name	OJ000217_09.0320.C11.o2.np	Method	AAT/NAP
Start	416	End	4221
GI	6721547	Score	71
Exons	416..434, 4136..4221		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47150	Seq. ID	OJ000217_09.0320.C11
Gene No.	100229	Strand	-
Start	416	End	4221
Name	OJ000217_09.0320.C11.o1.np	Method	AAT/NAP
Start	420	End	3357
GI	4262151	Score	84
Exons	420..519, 3229..3357		
GI Descrip.	(AC005275) putative receptor kinase [Arabidopsis thaliana] gi|7270193|emb|CAB77808.1| (AL161496) putative receptor kinase [Arabidopsis thaliana]		

Seq. No.	47150	Seq. ID	OJ000217_09.0320.C11
Gene No.	100229	Strand	-
Start	416	End	4221
Name	OJ000217_09.0320.C11.o1.gp	Method	AAT/GAP
Start	2800	End	2888
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	2800..2888		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47151	Seq. ID	OJ000217_07.0320.C1
Gene No.	100230	Strand	-
Start	331	End	841
Name	OJ000217_07.0320.C1.o1.gp	Method	AAT/GAP
Start	331	End	841
GI	2428303	Score	556
Exons	331..634, 787..841		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100231	Strand	+
Start	646	End	2519
Name	OJ000217_07.0320.C2.o1.gs	Method	GENSCAN
Start	646	End	1446
GI	none	Score	.8
Exons	646..1446		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100231	Strand	+
Start	646	End	2519
Name	OJ000217_07.0320.C2.o1.np	Method	AAT/NAP
Start	685	End	1443
GI	7267300	Score	594
Exons	685..1443		
GI Descrip.	(AL161503) putative protein [Arabidopsis thaliana]		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100231	Strand	+
Start	646	End	2519
Name	OJ000217_07.0320.C2.o1.gp	Method	AAT/GAP
Start	771	End	1267
GI	18510_1.R1084	Score	953
Exons	771..1267		
GI Descrip.	'2911071/emb|CAA17533.1| 3.0e-23 (AL021960) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100231	Strand	+
Start	646	End	2519
Name	OJ000217_07.0320.C2.o2.gp	Method	AAT/GAP
Start	1302	End	2519
GI	3766571	Score	1025
Exons	1302..1479, 2160..2519		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100232	Strand	+
Start	3382	End	5999
Name	OJ000217_07.0320.C2.o3.gp	Method	AAT/GAP
Start	3382	End	4788
GI	none	Score	1116
Exons	3382..3807, 3925..4035, 4699..4788		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100232	Strand	+
Start	3382	End	5999
Name	OJ000217_07.0320.C2.o2.np	Method	AAT/NAP
Start	3624	End	5999
GI	2160182	Score	194

Exons	3624..3811, 3925..4038, 4694..4817, 5912..5999		
GI Descrip.	(AC000132) ESTs gb|ATTS1236,gb|T43334,gb|N97019,gb|AA395203 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100233	Strand	-
Start	2417	End	4031
Name	OJ000217_07.0320.C2.o2.gs	Method	GENSCAN
Start	2417	End	4031
GI	none	Score	.66
Exons	2417..2593, 3213..3380, 3553..3641, 3752..3804, 3844..4031		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100234	Strand	-
Start	6070	End	6200
Name	OJ000217_07.0320.C2.o1.tm	Method	TBLASTX:Maize
Start	635	End	1461
GI	none	Score	216
Exons	635..682, 640..843, 669..842, 697..849, 892..1080, 908..1087, 1015..1374, 1043..1399, 1059..1373, 1090..1374, 1374..1448, 1375..1461		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100234	Strand	-
Start	6070	End	6200
Name	OJ000217_07.0320.C2.o1.tc	Method	TBLASTX:Cress
Start	913	End	1233
GI	none	Score	95
Exons	913..1047, 1098..1229, 1099..1233		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100234	Strand	-
Start	6070	End	6200
Name	OJ000217_07.0320.C2.o1.ts	Method	TBLASTX:Soybean
Start	1089	End	1398
GI	none	Score	210
Exons	1089..1397, 1089..1397, 1090..1398		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100234	Strand	-
Start	6070	End	6200
Name	OJ000217_07.0320.C2.o2.tm	Method	TBLASTX:Maize
Start	3635	End	6024
GI	none	Score	139
Exons	3635..3808, 3636..3731, 3774..3806, 4698..4817, 4699..4827, 4699..4818, 4703..4936, 5909..5980, 5910..5984, 5911..6024		

Seq. No.	47152	Seq. ID	OJ000217_07.0320.C2
Gene No.	100234	Strand	-
Start	6070	End	6200
Name	OJ000217_07.0320.C2.o3.gs	Method	GENSCAN
Start	6070	End	6200
GI	none	Score	.75
Exons	6070..6200		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100235	Strand	+

Start	939	End	1133
Name	OJ000217_07.0320.C3.o1.np	Method	AAT/NAP
Start	939	End	1133
GI	131271	Score	196
Exons	939..1133		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|72705|pir||QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast gi|12013|emb|CAA33973| (X15901) PSII 47kDa protein [Oryza sativa] gi|226634|prf||1603356BH photosystem II 47kD protein [Oryza sativa]		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100236	Strand	+
Start	1956	End	2829
Name	OJ000217_07.0320.C3.o2.np	Method	AAT/NAP
Start	1956	End	2829
GI	6815099	Score	95
Exons	1956..2133, 2709..2829		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100237	Strand	+
Start	8012	End	11286
Name	OJ000217_07.0320.C3.o2.gs	Method	GENSCAN
Start	8012	End	11286
GI	none	Score	.55
Exons	8012..8133, 8211..8262, 8999..9093, 10283..10576, 11232..11286		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100238	Strand	+
Start	12732	End	13481
Name	OJ000217_07.0320.C3.o1.gp	Method	AAT/GAP
Start	12732	End	13085
GI	68728_1.R1084	Score	687
Exons	12732..13085		
GI Descrip.	'984755/emb|Z54153|OSCHINDPR 3.0e-23 O.sativa mRNA for chilling-inducible protein'		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100238	Strand	+
Start	12732	End	13481
Name	OJ000217_07.0320.C3.o3.np	Method	AAT/NAP
Start	12888	End	13481
GI	6957718	Score	585
Exons	12888..13481		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100239	Strand	-
Start	12747	End	13481
Name	OJ000217_07.0320.C3.o3.gs	Method	GENSCAN
Start	12747	End	13400
GI	none	Score	.55
Exons	12747..13400		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100239	Strand	-

Start	12747	End	13481
Name	OJ000217_07.0320.C3.o1.tc	Method	TBLASTX:Cress
Start	12881	End	13259
GI	none	Score	486
Exons	12881..13213, 12882..13259		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100239	Strand	-
Start	12747	End	13481
Name	OJ000217_07.0320.C3.o1.ts	Method	TBLASTX:Soybean
Start	12881	End	13322
GI	none	Score	498
Exons	12881..13210, 12882..13259, 13256..13291, 13257..13322		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100239	Strand	-
Start	12747	End	13481
Name	OJ000217_07.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	12902	End	13214
GI	none	Score	130
Exons	12902..13021, 12902..13204, 12903..13214		

Seq. No.	47153	Seq. ID	OJ000217_07.0320.C3
Gene No.	100239	Strand	-
Start	12747	End	13481
Name	OJ000217_07.0320.C3.o2.gp	Method	AAT/GAP
Start	13051	End	13481
GI	2800896	Score	467
Exons	13051..13090, 13125..13481		
GI Descrip.	984755/emb|Z54153|OSCHINDPR 3.0e-23 O.sativa mRNA for chilling-inducible protein		

Seq. No.	47154	Seq. ID	OJ000217_07.0320.C4
Gene No.	100240	Strand	+
Start	4849	End	8146
Name	OJ000217_07.0320.C4.o2.gs	Method	GENSCAN
Start	4849	End	8146
GI	none	Score	.63
Exons	4849..5065, 6314..6490, 7962..8146		

Seq. No.	47154	Seq. ID	OJ000217_07.0320.C4
Gene No.	100241	Strand	-
Start	257	End	667
Name	OJ000217_07.0320.C4.o1.gp	Method	AAT/GAP
Start	257	End	667
GI	none	Score	652
Exons	257..667		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100242	Strand	+
Start	3	End	7384
Name	OJ000217_07.0320.C5.o1.gs	Method	GENSCAN
Start	3	End	7102
GI	none	Score	.76
Exons	3..128, 1279..1365, 2798..2857, 2954..3062, 3580..3686, 3759..3896, 3971..4066, 4187..4311, 6047..6179, 6252..6377, 6457..6568, 6738..7102		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100242	Strand	+
Start	3	End	7384
Name	OJ000217_07.0320.C5.o1.np	Method	AAT/NAP
Start	3	End	7099
GI	7211972	Score	1230
Exons	3..128, 1279..1365, 2757..2857, 2954..3062, 3580..3686, 3759..3896, 3971..4066, 4187..4311, 6047..6179, 6252..6377, 6457..6568, 6738..7099		
GI Descrip.	(AC004809) Strong similarity to the TATA binding protein-associated factor from A. thaliana gb|Y13673. ESTs gb|N38153 and gb|W43450 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100242	Strand	+
Start	3	End	7384
Name	OJ000217_07.0320.C5.o1.gp	Method	AAT/GAP
Start	2755	End	4222
GI	19873_1.R1084	Score	1037
Exons	2755..2857, 2954..3062, 3580..3686, 3759..3896, 3971..4066, 4187..4222		
GI Descrip.	'2196466/emb|CAA74021| 6.0e-73 (Y13673) TATA binding protein-associated factor [Arabidopsis thaliana]'		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100242	Strand	+
Start	3	End	7384
Name	OJ000217_07.0320.C5.o2.gp	Method	AAT/GAP
Start	4218	End	6885
GI	26866_1.R1084	Score	1084
Exons	4218..4311, 6047..6179, 6252..6377, 6457..6568, 6738..6885		
GI Descrip.	'4585980/gb|AAD25616.1|AC005287_18 6.0e-48 (AC005287) Very similar to TATA binding protein-associated factor [Arabidopsis thaliana]'		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100242	Strand	+
Start	3	End	7384
Name	OJ000217_07.0320.C5.o3.gp	Method	AAT/GAP
Start	6972	End	7384
GI	none	Score	718
Exons	6972..7384		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100243	Strand	+
Start	12364	End	12557
Name	OJ000217_07.0320.C5.o4.gp	Method	AAT/GAP
Start	12364	End	12557
GI	uC-osflcyp039h04b1	Score	304
Exons	12364..12557		
GI Descrip.	'1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100244	Strand	+

Start	13791	End	14169
Name	OJ000217_07.0320.C5.o3.np	Method	AAT/NAP
Start	13791	End	14169
GI	5091507	Score	67
Exons	13791..14011, 14075..14169		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100245	Strand	+
Start	16683	End	20116
Name	OJ000217_07.0320.C5.o6.gp	Method	AAT/GAP
Start	16605	End	19400
GI	none	Score	1164
Exons	16605..16797, 17539..17717, 17929..18085, 19314..19400		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100245	Strand	+
Start	16683	End	20116
Name	OJ000217_07.0320.C5.o4.gs	Method	GENSCAN
Start	16683	End	20116
GI	none	Score	.76
Exons	16683..16797, 17539..17717, 17929..18085, 19314..19634, 19914..20116		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100246	Strand	-
Start	6436	End	13214
Name	OJ000217_07.0320.C5.o2.np	Method	AAT/NAP
Start	6436	End	13214
GI	6587849	Score	183
Exons	6436..6473, 9410..9622, 9726..9932, 13146..13214		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100246	Strand	-
Start	6436	End	13214
Name	OJ000217_07.0320.C5.o2.gs	Method	GENSCAN
Start	8343	End	11982
GI	none	Score	.71
Exons	8343..8749, 9001..9124, 11932..11982		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100247	Strand	-
Start	15058	End	15422
Name	OJ000217_07.0320.C5.o4.np	Method	AAT/NAP
Start	15058	End	15422
GI	6539585	Score	92
Exons	15058..15117, 15251..15422		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o1.tc	Method	TBLASTX:Cress
Start	2	End	6498
GI	none	Score	151

Exons	2..130, 3..128, 1276..1356, 2792..2860, 2954..3061, 2956..3060, 3639..3743, 3641..3682, 3753..3893, 3761..3898, 3814..3897, 3968..4069, 4187..4312, 4189..4314, 6045..6182, 6077..6181, 6252..6377, 6460..6498		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	3579	End	4339
GI	none	Score	114
Exons	3579..3689, 3620..3694, 3620..3682, 3753..3893, 3761..3898, 3761..3898, 3968..4069, 3970..4065, 4169..4309, 4177..4305, 4190..4339, 4194..4310		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o3.tm	Method	TBLASTX:Maize
Start	3770	End	4219
GI	none	Score	173
Exons	3770..3898, 3771..3893, 3922..4065, 3968..4069, 3968..4057, 3970..4062, 4187..4219, 4189..4218		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	4220	End	6582
GI	none	Score	131
Exons	4220..4303, 4222..4302, 4225..4314, 6039..6173, 6042..6182, 6047..6184, 6250..6375, 6250..6375, 6252..6377, 6432..6572, 6439..6582, 6457..6573		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o2.ts	Method	TBLASTX:Soybean
Start	6044	End	7072
GI	none	Score	159
Exons	6044..6184, 6045..6185, 6198..6377, 6226..6381, 6248..6307, 6458..6574, 6965..7072		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o2.tm	Method	TBLASTX:Maize
Start	6850	End	7102
GI	none	Score	302
Exons	6850..7101, 6851..7102		

Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o1.tw	Method	TBLASTX:Wheat
Start	9410	End	9622
GI	none	Score	91

Exons	9410..9622, 9435..9557		
Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o2.tc	Method	TBLASTX:Cress
Start	19396	End	20119
GI	none	Score	289
Exons	19396..19635, 19400..19636, 19909..19983, 19910..20077, 19919..20077, 20066..20119, 20074..20115		
Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o4.tm	Method	TBLASTX:Maize
Start	19586	End	20107
GI	none	Score	68
Exons	19586..19636, 19910..20107, 19910..20107		
Seq. No.	47155	Seq. ID	OJ000217_07.0320.C5
Gene No.	100248	Strand	-
Start	20253	End	20514
Name	OJ000217_07.0320.C5.o7.gp	Method	AAT/GAP
Start	20253	End	20514
GI	1854152	Score	515
Exons	20253..20514		
Seq. No.	47156	Seq. ID	OJ000217_07.0320.C6
Gene No.	100249	Strand	-
Start	18	End	1748
Name	OJ000217_07.0320.C6.o1.gs	Method	GENSCAN
Start	18	End	1741
GI	none	Score	.9
Exons	18..705, 791..854, 1119..1237, 1316..1387, 1631..1741		
Seq. No.	47156	Seq. ID	OJ000217_07.0320.C6
Gene No.	100249	Strand	-
Start	18	End	1748
Name	OJ000217_07.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	103	End	1355
GI	none	Score	46
Exons	103..243, 197..280, 269..334, 337..405, 424..705, 439..594, 443..580, 455..700, 791..856, 791..853, 795..872, 1118..1234, 1121..1237, 1125..1238, 1313..1354, 1317..1355		
Seq. No.	47156	Seq. ID	OJ000217_07.0320.C6
Gene No.	100249	Strand	-
Start	18	End	1748
Name	OJ000217_07.0320.C6.o1.tw	Method	TBLASTX:Wheat
Start	1119	End	1696
GI	none	Score	168
Exons	1119..1238, 1121..1237, 1313..1390, 1313..1390, 1326..1391, 1631..1696, 1631..1696		
Seq. No.	47156	Seq. ID	OJ000217_07.0320.C6
Gene No.	100249	Strand	-
Start	18	End	1748

Name	OJ000217_07.0320.C6.o2.tm	Method	TBLASTX:Maize
Start	1631	End	1748
GI	none	Score	158
Exons	1631..1741, 1632..1748, 1638..1742		

Seq. No.	47157	Seq. ID	OJ000217_07.0320.C7
Gene No.	100250	Strand	-
Start	513	End	7203
Name	OJ000217_07.0320.C7.o1.gs	Method	GENSCAN
Start	513	End	7203
GI	none	Score	.76
Exons	513..524, 1313..1405, 3043..3144, 3227..3371, 3606..4058, 4312..4559, 5600..5695, 5785..5881, 7139..7203		

Seq. No.	47157	Seq. ID	OJ000217_07.0320.C7
Gene No.	100251	Strand	-
Start	9201	End	10658
Name	OJ000217_07.0320.C7.o2.tm	Method	TBLASTX:Maize
Start	4308	End	5880
GI	none	Score	71
Exons	4308..4442, 4317..4466, 4318..4443, 4494..4550, 4504..4542, 5594..5686, 5598..5711, 5785..5880		

Seq. No.	47157	Seq. ID	OJ000217_07.0320.C7
Gene No.	100251	Strand	-
Start	9201	End	10658
Name	OJ000217_07.0320.C7.o2.gs	Method	GENSCAN
Start	9201	End	10658
GI	none	Score	.53
Exons	9201..9368, 9454..9501, 9633..9729, 9809..10107, 10141..10216, 10444..10658		

Seq. No.	47157	Seq. ID	OJ000217_07.0320.C7
Gene No.	100251	Strand	-
Start	9201	End	10658
Name	OJ000217_07.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	9628	End	10078
GI	none	Score	105
Exons	9628..9735, 9630..9731, 9811..9951, 9813..9929, 9830..9964, 9872..9952, 9941..10078, 9955..10077		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100252	Strand	+
Start	5768	End	6202
Name	OJ000217_07.0320.C8.o2.gp	Method	AAT/GAP
Start	5768	End	6202
GI	none	Score	810
Exons	5768..6202		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100253	Strand	-
Start	5192	End	7548
Name	OJ000217_07.0320.C8.o2.tm	Method	TBLASTX:Maize
Start	5018	End	5310
GI	none	Score	209
Exons	5018..5227, 5020..5310, 5020..5310		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100253	Strand	-
Start	5192	End	7548
Name	OJ000217_07.0320.C8.o1.gp	Method	AAT/GAP
Start	5192	End	5697
GI	none	Score	936
Exons	5192..5697		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100253	Strand	-
Start	5192	End	7548
Name	OJ000217_07.0320.C8.o1.np	Method	AAT/NAP
Start	5448	End	7548
GI	2290770	Score	586
Exons	5448..5608, 5645..5735, 5865..7548		
GI Descrip.	(AF002163) delta-adaptin [Homo sapiens]		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100253	Strand	-
Start	5192	End	7548
Name	OJ000217_07.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	6061	End	6292
GI	none	Score	99
Exons	6061..6291, 6064..6291, 6065..6292		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100253	Strand	-
Start	5192	End	7548
Name	OJ000217_07.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	6153	End	6445
GI	none	Score	265
Exons	6153..6383, 6159..6422, 6163..6444, 6163..6444, 6164..6445		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100253	Strand	-
Start	5192	End	7548
Name	OJ000217_07.0320.C8.o3.gp	Method	AAT/GAP
Start	6504	End	7008
GI	51654_1.R1084	Score	991
Exons	6504..7008		
GI Descrip.	'2290772 1.0e-13 (AF002164) AP-3 delta-adaptin subunit [Drosophila melanogaster]'		

Seq. No.	47158	Seq. ID	OJ000217_07.0320.C8
Gene No.	100253	Strand	-
Start	5192	End	7548
Name	OJ000217_07.0320.C8.o3.tm	Method	TBLASTX:Maize
Start	6682	End	6991
GI	none	Score	120
Exons	6682..6834, 6683..6823, 6685..6861, 6714..6863, 6878..6991		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100254	Strand	+
Start	690	End	5204
Name	OJ000217_07.0320.C9.o1.gs	Method	GENSCAN
Start	690	End	5204
GI	none	Score	.55

Exons	690..765, 1060..1186, 3661..3873, 4583..4640, 4702..5204		
Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100255	Strand	+
Start	16119	End	21701
Name	OJ000217_07.0320.C9.o2.np	Method	AAT/NAP
Start	16119	End	21701
GI	7486392	Score	47
Exons	16119..16172, 21120..21221, 21574..21701		
GI Descrip.	hypothetical protein F4B14.190 - Arabidopsis thaliana gi|3036796|emb|CAA18486.1| (AL022373) putative protein [Arabidopsis thaliana] gi|3805858|emb|CAA21478.1| (AL031986) putative protein [Arabidopsis thaliana] gi|7270544|emb|CAB81501.1| (AL161588) putative protein [Arabidopsis thaliana]		
Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100255	Strand	+
Start	16119	End	21701
Name	OJ000217_07.0320.C9.o4.gs	Method	GENSCAN
Start	17678	End	19423
GI	none	Score	.68
Exons	17678..17734, 17740..17859, 17947..18065, 19291..19423		
Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100256	Strand	+
Start	33695	End	45297
Name	OJ000217_07.0320.C9.o6.gs	Method	GENSCAN
Start	33695	End	45297
GI	none	Score	.68
Exons	33695..33707, 33812..34188, 34287..34602, 35237..35374, 35806..35970, 36152..36247, 36390..36519, 36840..36957, 37069..37237, 38373..38456, 40638..40724, 42797..43111, 43602..44339, 44384..45297		
Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100256	Strand	+
Start	33695	End	45297
Name	OJ000217_07.0320.C9.o5.np	Method	AAT/NAP
Start	41788	End	44917
GI	6705984	Score	833
Exons	41788..41835, 43625..44917		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100256	Strand	+
Start	33695	End	45297
Name	OJ000217_07.0320.C9.o3.np	Method	AAT/NAP
Start	42578	End	43098
GI	7340909	Score	111
Exons	42578..43098		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100257	Strand	-
Start	935	End	9886
Name	OJ000217_07.0320.C9.o1.np	Method	AAT/NAP

Start	935	End	8726
GI	4249662	Score	1274
Exons	935..1138, 2690..2743, 2841..2989, 3064..3172, 3256..3345, 6095..6145, 6260..6364, 6436..6547, 6637..6719, 7460..7583, 8599..8726		
GI Descrip.	(AF089810) Altered Response to Gravity [Arabidopsis thaliana] gi|6714354|gb|AAF26045.1|AC015986_8 (AC015986) ARG1 protein (Altered Response to Gravity) [Arabidopsis thaliana]		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100257	Strand	-
Start	935	End	9886
Name	OJ000217_07.0320.C9.o2.gs	Method	GENSCAN
Start	6059	End	9886
GI	none	Score	.72
Exons	6059..6145, 6260..6364, 6436..6547, 6637..6719, 8521..8743, 9203..9363, 9524..9569, 9840..9886		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100258	Strand	-
Start	42893	End	44938
Name	OJ000217_07.0320.C9.o4.np	Method	AAT/NAP
Start	42893	End	44938
GI	5738364	Score	74
Exons	42893..43050, 44918..44938		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o3.tm	Method	TBLASTX:Maize
Start	819	End	2746
GI	none	Score	72
Exons	819..908, 829..909, 830..907, 881..976, 897..1031, 905..1030, 916..1032, 922..1032, 1045..1134, 1046..1135, 1046..1135, 1062..1136, 2690..2746, 2691..2744		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o1.tc	Method	TBLASTX:Cress
Start	939	End	8723
GI	none	Score	62
Exons	939..986, 941..988, 981..1022, 1040..1138, 2687..2746, 2688..2744, 2841..2990, 2841..2990, 2941..2991, 3061..3171, 3062..3172, 3063..3173, 3073..3174, 3249..3347, 3253..3348, 3257..3352, 3257..3352, 6090..6146, 6095..6145, 6257..6364, 6261..6368, 6423..6551, 6433..6552, 6434..6553, 6631..6720, 6639..6734, 6639..6719, 7452..7586, 7454..7585, 8595..8723, 8599..8715		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o1.tm	Method	TBLASTX:Maize
Start	2841	End	8706
GI	none	Score	145

Exons	2841..2948, 2841..3002, 2842..2952, 2948..2989, 2953..3003, 3062..3172, 3063..3173, 3247..3366, 3247..3396, 6090..6137, 6095..6145, 6257..6364, 6258..6368, 6433..6552, 6434..6550, 6495..6557, 6631..6720, 6638..6739, 6639..6716, 6640..6726, 6641..6742, 7452..7589, 7454..7585, 8595..8705, 8599..8706		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o2.ts	Method	TBLASTX:Soybean
Start	3062	End	3364
GI	none	Score	68
Exons	3062..3172, 3063..3170, 3235..3357, 3253..3348, 3260..3364		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o5.tm	Method	TBLASTX:Maize
Start	3615	End	3976
GI	none	Score	71
Exons	3615..3683, 3778..3942, 3932..3976		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o4.ts	Method	TBLASTX:Soybean
Start	6469	End	8714
GI	none	Score	105
Exons	6469..6552, 6470..6553, 6631..6720, 6631..6702, 6639..6719, 7454..7585, 7461..7586, 8595..8714, 8599..8712		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o1.ts	Method	TBLASTX:Soybean
Start	34286	End	35492
GI	none	Score	397
Exons	34286..34597, 34293..34601, 35235..35384, 35236..35361, 35236..35385, 35394..35492, 35416..35490		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o3.tc	Method	TBLASTX:Cress
Start	34287	End	34589
GI	none	Score	123
Exons	34287..34427, 34304..34417, 34376..34510, 34395..34589, 34464..34589		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o2.tm	Method	TBLASTX:Maize
Start	35328	End	36993
GI	none	Score	162
Exons	35328..35498, 35335..35499, 35356..35499, 35417..35506, 35418..35510, 35614..35736, 35616..35741, 35618..35731,		

35800..35913, 35801..35914, 35804..35920, 35805..35921,
35805..35921, 36067..36255, 36069..36248, 36385..36519,
36389..36517, 36832..36993, 36838..36993

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o3.ts	Method	TBLASTX:Soybean
Start	35874	End	36990
GI	none	Score	67
Exons	35874..35921, 36067..36201, 36069..36212, 36211..36255, 36213..36248, 36409..36519, 36410..36517, 36834..36989, 36838..36990		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o2.tc	Method	TBLASTX:Cress
Start	36067	End	36990
GI	none	Score	257
Exons	36067..36255, 36069..36251, 36385..36519, 36389..36517, 36834..36989, 36838..36990		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o1.tw	Method	TBLASTX:Wheat
Start	44108	End	44576
GI	none	Score	282
Exons	44108..44377, 44155..44376, 44393..44536, 44394..44576, 44395..44565		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o4.tm	Method	TBLASTX:Maize
Start	44373	End	44577
GI	none	Score	224
Exons	44373..44471, 44374..44577, 44374..44574		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o5.ts	Method	TBLASTX:Soybean
Start	44373	End	44577
GI	none	Score	216
Exons	44373..44471, 44374..44577, 44374..44574		

Seq. No.	47159	Seq. ID	OJ000217_07.0320.C9
Gene No.	100259	Strand	-
Start	45586	End	46589
Name	OJ000217_07.0320.C9.o7.gs	Method	GENSCAN
Start	45586	End	46589
GI	none	Score	.63
Exons	45586..45755, 45848..46118, 46181..46406, 46513..46589		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10

Gene No.	100260	Strand	+
Start	262	End	3953
Name	OJ000217_07.0320.C10.o1.gs	Method	GENSCAN
Start	262	End	3586
GI	none	Score	.91
Exons	262..322, 424..614, 896..1342, 1472..1552, 2273..2469, 2565..2664, 3401..3586		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100260	Strand	+
Start	262	End	3953
Name	OJ000217_07.0320.C10.o1.gp	Method	AAT/GAP
Start	420	End	1119
GI	LIB3434-065-P1-K1-B7	Score	747
Exons	420..614, 896..1119		
GI Descrip.	'5106785/gb|AAD39843.1| 5.0e-12 (AF083245) HSPC027 [Homo sapiens]'		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100260	Strand	+
Start	262	End	3953
Name	OJ000217_07.0320.C10.o1.np	Method	AAT/NAP
Start	462	End	3580
GI	6755210	Score	520
Exons	462..614, 896..1342, 1472..1552, 2273..2469, 2565..2664, 3401..3580		
GI Descrip.	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13 gi|5453129|gb|AAD43443.1|AF107838_1 (AF107838) 26S proteasome subunit p40.5 [Mus musculus]		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100260	Strand	+
Start	262	End	3953
Name	OJ000217_07.0320.C10.o2.gp	Method	AAT/GAP
Start	1109	End	1556
GI	22207_1.R1084	Score	476
Exons	1109..1342, 1472..1556		
GI Descrip.	'5106785/gb|AAD39843.1| 5.0e-13 (AF083245) HSPC027 [Homo sapiens]'		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100260	Strand	+
Start	262	End	3953
Name	OJ000217_07.0320.C10.o3.gp	Method	AAT/GAP
Start	2565	End	2666
GI	18962_1.R1084	Score	198
Exons	2565..2666		
GI Descrip.	'3746882 6.0e-23 (AF086708) 26S proteasome subunit 11 [Homo sapiens]'		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100260	Strand	+
Start	262	End	3953
Name	OJ000217_07.0320.C10.o4.gp	Method	AAT/GAP
Start	3399	End	3953
GI	18962_1.R1084	Score	861
Exons	3399..3953		

GI Descrip. '3746882 6.0e-23 (AF086708) 26S proteasome subunit 11 [Homo sapiens]'

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o1.tm	Method	TBLASTX:Maize
Start	468	End	3593
GI	none	Score	152
Exons	468..614, 468..506, 563..610, 850..1344, 882..1307, 893..1363, 1471..1557, 1477..1551, 1514..1558, 2251..2469, 2255..2470, 2280..2480, 2559..2666, 2563..2667, 2568..2669, 3395..3586, 3399..3593, 3436..3582		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o1.tc	Method	TBLASTX:Cress
Start	471	End	1326
GI	none	Score	99
Exons	471..614, 847..1326, 893..1324		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o1.ts	Method	TBLASTX:Soybean
Start	471	End	3607
GI	none	Score	103
Exons	471..614, 850..1344, 893..1363, 1468..1530, 1471..1557, 1473..1538, 1514..1555, 2234..2458, 2235..2459, 2251..2469, 2255..2470, 2562..2666, 2563..2667, 3395..3601, 3401..3607		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o1.tw	Method	TBLASTX:Wheat
Start	952	End	2332
GI	none	Score	122
Exons	952..1119, 952..1119, 953..1123, 966..1184, 1124..1363, 1126..1344, 1157..1351, 1468..1548, 1471..1557, 1476..1553, 1514..1558, 2251..2331, 2255..2332, 2264..2332		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o2.tc	Method	TBLASTX:Cress
Start	2251	End	2667
GI	none	Score	279
Exons	2251..2469, 2255..2470, 2559..2666, 2563..2667		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o2.tw	Method	TBLASTX:Wheat
Start	2332	End	3472
GI	none	Score	215
Exons	2332..2469, 2333..2470, 2559..2666, 2563..2667, 3371..3472,		

3399..3470, 3401..3472

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o3.tc	Method	TBLASTX:Cress
Start	3395	End	3588
GI	none	Score	273
Exons	3395..3586, 3439..3588		

Seq. No.	47160	Seq. ID	OJ000217_07.0320.C10
Gene No.	100261	Strand	-
Start	4332	End	4515
Name	OJ000217_07.0320.C10.o2.gs	Method	GENSCAN
Start	4332	End	4515
GI	none	Score	.89
Exons	4332..4515		

Seq. No.	47161	Seq. ID	OJ000314_32.0412.C2
Gene No.	100262	Strand	-
Start	41	End	481
Name	OJ000314_32.0412.C2.o1.gp	Method	AAT/GAP
Start	41	End	481
GI	4716792	Score	874
Exons	41..481		
GI Descrip.	5295936/dbj|AB026295.2|AB026295 5.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence		

Seq. No.	47161	Seq. ID	OJ000314_32.0412.C2
Gene No.	100263	Strand	-
Start	530	End	757
Name	OJ000314_32.0412.C2.o1.gs	Method	GENSCAN
Start	530	End	757
GI	none	Score	.52
Exons	530..757		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100264	Strand	+
Start	651	End	3454
Name	OJ000314_32.0412.C3.o1.np	Method	AAT/NAP
Start	651	End	3454
GI	7106528	Score	100
Exons	651..687, 3330..3454		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100264	Strand	+
Start	651	End	3454
Name	OJ000314_32.0412.C3.o1.gs	Method	GENSCAN
Start	845	End	3373
GI	none	Score	.78
Exons	845..963, 1415..1719, 2176..2326, 2942..3036, 3247..3373		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100264	Strand	+
Start	651	End	3454

Name	OJ000314_32.0412.C3.o1.gp	Method	AAT/GAP
Start	3287	End	3431
GI	21474_1.R1084	Score	256
Exons	3287..3431		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100265	Strand	-
Start	3796	End	7511
Name	OJ000314_32.0412.C3.o2.gs	Method	GENSCAN
Start	3796	End	7496
GI	none	Score	.69
Exons	3796..3981, 4254..4326, 4411..4521, 4618..4791, 4901..6000, 6075..7496		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100265	Strand	-
Start	3796	End	7511
Name	OJ000314_32.0412.C3.o2.np	Method	AAT/NAP
Start	3814	End	7511
GI	4680204	Score	1041
Exons	3814..3951, 4302..4521, 4618..4791, 4901..6000, 6075..7511		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100265	Strand	-
Start	3796	End	7511
Name	OJ000314_32.0412.C3.o2.tw	Method	TBLASTX:Wheat
Start	4452	End	4974
GI	none	Score	68
Exons	4452..4523, 4623..4805, 4630..4755, 4894..4974		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100265	Strand	-
Start	3796	End	7511
Name	OJ000314_32.0412.C3.o2.gp	Method	AAT/GAP
Start	5001	End	5479
GI	uC-osflcyp176f10b1	Score	842
Exons	5001..5479		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	47162	Seq. ID	OJ000314_32.0412.C3
Gene No.	100265	Strand	-
Start	3796	End	7511
Name	OJ000314_32.0412.C3.o1.tw	Method	TBLASTX:Wheat
Start	6465	End	6868
GI	none	Score	42
Exons	6465..6635, 6466..6540, 6598..6765, 6630..6866, 6717..6866, 6728..6868, 6758..6868		

Seq. No.	47163	Seq. ID	OJ000314_32.0412.C4
Gene No.	100266	Strand	-
Start	151	End	1728
Name	OJ000314_32.0412.C4.o1.gp	Method	AAT/GAP

Start	151	End	1728
GI	342_1.R1084	Score	2313
Exons	151..680, 790..887, 970..989, 1025..1728		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47163	Seq. ID	OJ000314_32.0412.C4
Gene No.	100266	Strand	-
Start	151	End	1728
Name	OJ000314_32.0412.C4.o3.gp	Method	AAT/GAP
Start	343	End	1728
GI	342_1.R1084	Score	1964
Exons	343..680, 790..887, 970..989, 1025..1728		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47163	Seq. ID	OJ000314_32.0412.C4
Gene No.	100266	Strand	-
Start	151	End	1728
Name	OJ000314_32.0412.C4.o1.gs	Method	GENSCAN
Start	1077	End	1600
GI	none	Score	.88
Exons	1077..1169, 1226..1600		

Seq. No.	47163	Seq. ID	OJ000314_32.0412.C4
Gene No.	100266	Strand	-
Start	151	End	1728
Name	OJ000314_32.0412.C4.o1.np	Method	AAT/NAP
Start	1118	End	1728
GI	4680203	Score	571
Exons	1118..1728		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47163	Seq. ID	OJ000314_32.0412.C4
Gene No.	100266	Strand	-
Start	151	End	1728
Name	OJ000314_32.0412.C4.o1.tw	Method	TBLASTX:Wheat
Start	1172	End	1726
GI	none	Score	54
Exons	1172..1264, 1173..1238, 1253..1333, 1338..1418, 1346..1486, 1347..1487, 1434..1529, 1466..1525, 1532..1576, 1537..1572, 1571..1726, 1587..1721		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o1.gp	Method	AAT/GAP
Start	1	End	1403
GI	342_1.R1084	Score	2596
Exons	1..1403		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o1.tw	Method	TBLASTX:Wheat

Start	1	End	519
GI	none	Score	518
Exons	1..519, 3..518		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	235
GI	none	Score	237
Exons	1..231, 3..227, 53..235		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o1.np	Method	AAT/NAP
Start	1	End	1403
GI	6742729	Score	2230
Exons	1..1403		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o1.gs	Method	GENSCAN
Start	39	End	1328
GI	none	Score	.48
Exons	39..1328		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	162	End	476
GI	none	Score	68
Exons	162..392, 162..476, 190..465		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o2.tw	Method	TBLASTX:Wheat
Start	520	End	930
GI	none	Score	81
Exons	520..606, 522..611, 522..605, 639..857, 679..861, 867..929, 880..930		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	963	End	1205
GI	none	Score	216
Exons	963..1205		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403

Name	OJ000314_32.0412.C5.o2.tm	Method	TBLASTX:Maize
Start	1035	End	1394
GI	none	Score	154
Exons	1035..1229, 1239..1394		

Seq. No.	47164	Seq. ID	OJ000314_32.0412.C5
Gene No.	100267	Strand	-
Start	1	End	1403
Name	OJ000314_32.0412.C5.o3.tw	Method	TBLASTX:Wheat
Start	1069	End	1365
GI	none	Score	173
Exons	1069..1275, 1069..1278, 1074..1298, 1278..1364, 1279..1365, 1285..1365		

Seq. No.	47165	Seq. ID	OJ000314_32.0412.C6
Gene No.	100268	Strand	-
Start	169	End	9159
Name	OJ000314_32.0412.C6.o1.gs	Method	GENSCAN
Start	169	End	8336
GI	none	Score	.4
Exons	169..287, 372..431, 1916..2011, 2897..2995, 3388..3539, 3785..3878, 4701..4863, 5033..5080, 6861..7110, 8158..8336		

Seq. No.	47165	Seq. ID	OJ000314_32.0412.C6
Gene No.	100268	Strand	-
Start	169	End	9159
Name	OJ000314_32.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	2835	End	8145
GI	none	Score	88
Exons	2835..3008, 7919..8044, 8056..8145		

Seq. No.	47165	Seq. ID	OJ000314_32.0412.C6
Gene No.	100268	Strand	-
Start	169	End	9159
Name	OJ000314_32.0412.C6.o1.np	Method	AAT/NAP
Start	3382	End	9159
GI	5852172	Score	89
Exons	3382..3541, 4768..4848, 9071..9159		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	47165	Seq. ID	OJ000314_32.0412.C6
Gene No.	100268	Strand	-
Start	169	End	9159
Name	OJ000314_32.0412.C6.o1.gp	Method	AAT/GAP
Start	4652	End	5212
GI	702719	Score	734
Exons	4652..4863, 5033..5212		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100269	Strand	+
Start	5885	End	12245
Name	OJ000314_32.0412.C7.o2.gs	Method	GENSCAN
Start	5885	End	12245
GI	none	Score	.86
Exons	5885..5996, 8743..8765, 9118..9252, 9299..9363, 9746..10031, 10158..10259, 10544..10657, 11297..11482, 11572..11666, 11742..11839, 12115..12245		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100270	Strand	-
Start	1015	End	4733
Name	OJ000314_32.0412.C7.o1.gs	Method	GENSCAN
Start	1015	End	4733
GI	none	Score	.76
Exons	1015..1102, 1727..2055, 2154..2307, 2435..2702, 2775..2985, 3175..3314, 3419..3529, 3926..4733		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100270	Strand	-
Start	1015	End	4733
Name	OJ000314_32.0412.C7.o1.np	Method	AAT/NAP
Start	1759	End	4730
GI	6175156	Score	1103
Exons	1759..2083, 2185..2307, 2435..2669, 2775..2985, 3175..3298, 3406..3529, 3926..4730		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100271	Strand	-
Start	7869	End	7967
Name	OJ000314_32.0412.C7.o1.gp	Method	AAT/GAP
Start	7869	End	7967
GI	LIB3477-003-P1-K1-E9	Score	123
Exons	7869..7967		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o1.ts	Method	TBLASTX:Soybean
Start	1879	End	3268
GI	none	Score	88
Exons	1879..1983, 2196..2306, 2212..2307, 2404..2649, 2434..2661, 2438..2662, 2767..2952, 2768..2923, 3175..3267, 3182..3268		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o4.tm	Method	TBLASTX:Maize
Start	1891	End	2273
GI	none	Score	93
Exons	1891..2055, 2151..2273		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o1.tc	Method	TBLASTX:Cress
Start	1918	End	4478
GI	none	Score	71
Exons	1918..2076, 2202..2306, 2206..2298, 2434..2649, 2495..2635, 2758..2967, 2786..2986, 2786..2980, 3175..3273, 3182..3274, 4338..4478		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o1.tm	Method	TBLASTX:Maize
Start	2423	End	2977
GI	none	Score	102
Exons	2423..2530, 2426..2509, 2430..2534, 2431..2535, 2434..2535, 2536..2670, 2537..2671, 2539..2664, 2546..2671, 2776..2916, 2789..2914, 2792..2929, 2917..2967, 2918..2977		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o1.tw	Method	TBLASTX:Wheat
Start	2557	End	2986
GI	none	Score	75
Exons	2557..2670, 2776..2958, 2776..2967, 2954..2986		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o3.tm	Method	TBLASTX:Maize
Start	9117	End	10032
GI	none	Score	96
Exons	9117..9179, 9192..9251, 9196..9252, 9220..9255, 9359..9487, 9360..9500, 9360..9500, 9361..9519, 9362..9505, 9729..9866, 9729..9866, 9734..9880, 9754..9879, 9929..10027, 9933..10031, 9933..10031, 9937..10032		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o2.ts	Method	TBLASTX:Soybean
Start	9729	End	10033
GI	none	Score	190
Exons	9729..9866, 9734..9877, 9744..9866, 9933..10031, 9947..10033		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o2.tm	Method	TBLASTX:Maize
Start	11351	End	12245
GI	none	Score	165
Exons	11351..11482, 11361..11480, 11365..11481, 11522..11665, 11568..11681, 11569..11667, 11570..11668, 11730..11831, 11740..11835, 11742..11837, 11756..11839, 12114..12152, 12120..12167, 12161..12244, 12165..12245		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o3.gs	Method	GENSCAN
Start	12934	End	14076
GI	none	Score	.92
Exons	12934..13624, 13723..13829, 14071..14076		

Seq. No.	47166	Seq. ID	OJ000314_32.0412.C7
Gene No.	100272	Strand	-
Start	12934	End	14886
Name	OJ000314_32.0412.C7.o2.np	Method	AAT/NAP
Start	13141	End	14886
GI	7484933	Score	201
Exons	13141..13297, 13499..13572, 14805..14886		
GI Descrip.	DNA-binding protein homolog T22A6.70 - Arabidopsis thaliana gi|5051766|emb|CAB45059.1| (AL078637) putative DNA-binding protein [Arabidopsis thaliana] gi|7269274|emb|CAB79334.1| (AL161561) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	47167	Seq. ID	OJ000314_32.0412.C8
Gene No.	100273	Strand	-
Start	1	End	3586
Name	OJ000314_32.0412.C8.o1.np	Method	AAT/NAP
Start	1	End	3586
GI	6957728	Score	28
Exons	1..19, 2212..2303, 2553..2906, 3562..3586		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47167	Seq. ID	OJ000314_32.0412.C8
Gene No.	100273	Strand	-
Start	1	End	3586
Name	OJ000314_32.0412.C8.o1.gs	Method	GENSCAN
Start	2176	End	3443
GI	none	Score	.65
Exons	2176..2415, 2532..3443		

Seq. No.	47168	Seq. ID	OJ000314_32.0412.C9
Gene No.	100274	Strand	+
Start	5112	End	6730
Name	OJ000314_32.0412.C9.o1.np	Method	AAT/NAP
Start	5112	End	6730
GI	7340909	Score	174
Exons	5112..5158, 6407..6730		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47168	Seq. ID	OJ000314_32.0412.C9
Gene No.	100275	Strand	-
Start	5507	End	6557
Name	OJ000314_32.0412.C9.o2.gs	Method	GENSCAN
Start	5507	End	6557
GI	none	Score	.69
Exons	5507..5691, 6551..6557		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100276	Strand	+
Start	158	End	718
Name	OJ000314_32.0412.C10.o1.gs	Method	GENSCAN
Start	158	End	718
GI	none	Score	.57
Exons	158..262, 522..718		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100277	Strand	+
Start	2000	End	2483

Name	OJ000314_32.0412.C10.o2.gs	Method	GENSCAN
Start	2000	End	2483
GI	none	Score	.96
Exons	2000..2002, 2250..2483		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100278	Strand	+
Start	7307	End	7733
Name	OJ000314_32.0412.C10.o1.gp	Method	AAT/GAP
Start	7307	End	7733
GI	4878407	Score	668
Exons	7307..7733		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100279	Strand	+
Start	20229	End	23364
Name	OJ000314_32.0412.C10.o3.np	Method	AAT/NAP
Start	20229	End	23361
GI	6907089	Score	4054
Exons	20229..21490, 21591..23361		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100279	Strand	+
Start	20229	End	23364
Name	OJ000314_32.0412.C10.o8.gs	Method	GENSCAN
Start	20229	End	23364
GI	none	Score	.83
Exons	20229..20358, 20425..21332, 21874..23364		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100280	Strand	-
Start	406	End	2477
Name	OJ000314_32.0412.C10.o1.np	Method	AAT/NAP
Start	406	End	2477
GI	7340909	Score	91
Exons	406..726, 820..1009, 2457..2477		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100281	Strand	-
Start	3551	End	5986
Name	OJ000314_32.0412.C10.o3.gs	Method	GENSCAN
Start	3551	End	5325
GI	none	Score	.77
Exons	3551..3643, 3863..3961, 4303..4610, 4655..4873, 5196..5325		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100281	Strand	-
Start	3551	End	5986
Name	OJ000314_32.0412.C10.o2.np	Method	AAT/NAP
Start	4262	End	5986
GI	6907086	Score	515
Exons	4262..4621, 4870..5156, 5216..5986		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100282	Strand	-
Start	10103	End	15385
Name	OJ000314_32.0412.C10.o5.gs	Method	GENSCAN
Start	10103	End	15385
GI	none	Score	.93
Exons	10103..10336, 14420..15385		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100283	Strand	-
Start	16550	End	17014
Name	OJ000314_32.0412.C10.o6.gs	Method	GENSCAN
Start	16550	End	17014
GI	none	Score	.55
Exons	16550..17014		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100284	Strand	-
Start	18256	End	19979
Name	OJ000314_32.0412.C10.o7.gs	Method	GENSCAN
Start	18256	End	19979
GI	none	Score	.75
Exons	18256..18374, 18416..18587, 18793..18829, 18981..19074, 19844..19979		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100285	Strand	-
Start	23989	End	29937
Name	OJ000314_32.0412.C10.o4.np	Method	AAT/NAP
Start	23989	End	29937
GI	7228457	Score	8741
Exons	23989..25539, 25606..26566, 26689..27523, 27587..29509, 29571..29937		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o6.tw	Method	TBLASTX:Wheat
Start	23998	End	24576
GI	none	Score	69
Exons	23998..24123, 24002..24124, 24154..24225, 24262..24552, 24298..24576, 24317..24574		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o4.tw	Method	TBLASTX:Wheat
Start	24581	End	24982
GI	none	Score	198
Exons	24581..24880, 24601..24981, 24741..24884, 24905..24982		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-

Start	30163	End	30327
Name	OJ000314_32.0412.C10.o3.tm	Method	TBLASTX:Maize
Start	24796	End	25119
GI	none	Score	203
Exons	24796..25119, 24809..25090		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o8.tw	Method	TBLASTX:Wheat
Start	25312	End	25624
GI	none	Score	67
Exons	25312..25572, 25448..25624		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o2.ts	Method	TBLASTX:Soybean
Start	25372	End	25938
GI	5666795	Score	68
Exons	25372..25572, 25627..25764, 25840..25938		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o5.tw	Method	TBLASTX:Wheat
Start	25627	End	26004
GI	none	Score	87
Exons	25627..25776, 25628..25765, 25642..25767, 25810..26004, 25811..25996		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	26495	End	26866
GI	none	Score	90
Exons	26495..26866, 26706..26849		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o2.tw	Method	TBLASTX:Wheat
Start	26525	End	26945
GI	none	Score	301
Exons	26525..26944, 26550..26945		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o2.tm	Method	TBLASTX:Maize
Start	26618	End	27002
GI	none	Score	236
Exons	26618..27001, 26637..27002		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10

Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o1.tm	Method	TBLASTX:Maize
Start	27029	End	27385
GI	none	Score	75
Exons	27029..27145, 27029..27385, 27039..27350		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o1.tw	Method	TBLASTX:Wheat
Start	27053	End	27515
GI	none	Score	234
Exons	27053..27514, 27059..27514, 27060..27515		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o3.ts	Method	TBLASTX:Soybean
Start	27110	End	27475
GI	none	Score	111
Exons	27110..27274, 27251..27475		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o3.tw	Method	TBLASTX:Wheat
Start	27680	End	28166
GI	none	Score	84
Exons	27680..28165, 27707..27946, 27711..27971, 27993..28166		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o7.tw	Method	TBLASTX:Wheat
Start	28891	End	29229
GI	none	Score	98
Exons	28891..29148, 28925..29164, 29131..29229, 29132..29212		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o4.tm	Method	TBLASTX:Maize
Start	28993	End	29241
GI	none	Score	102
Exons	28993..29241, 28994..29239		

Seq. No.	47169	Seq. ID	OJ000314_32.0412.C10
Gene No.	100286	Strand	-
Start	30163	End	30327
Name	OJ000314_32.0412.C10.o5.np	Method	AAT/NAP
Start	30163	End	30327
GI	5042454	Score	70
Exons	30163..30225, 30298..30327		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11

Gene No.	100287	Strand	+
Start	906	End	1450
Name	OJ000314_32.0412.C11.o1.gs	Method	GENSCAN
Start	906	End	1450
GI	none	Score	.69
Exons	906..1276, 1337..1450		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100288	Strand	+
Start	10787	End	10979
Name	OJ000314_32.0412.C11.o3.gp	Method	AAT/GAP
Start	10787	End	10979
GI	5667165	Score	353
Exons	10787..10979		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100289	Strand	+
Start	11066	End	12876
Name	OJ000314_32.0412.C11.o2.np	Method	AAT/NAP
Start	11066	End	12876
GI	6907086	Score	1427
Exons	11066..11819, 11877..12129, 12358..12405, 12519..12876		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100290	Strand	-
Start	5545	End	6434
Name	OJ000314_32.0412.C11.o1.gp	Method	AAT/GAP
Start	5545	End	6434
GI	none	Score	1071
Exons	5545..6020, 6170..6238, 6404..6434		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100291	Strand	-
Start	9157	End	9628
Name	OJ000314_32.0412.C11.o2.gp	Method	AAT/GAP
Start	9157	End	9628
GI	38782_1.R1084	Score	803
Exons	9157..9628		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100292	Strand	-
Start	12975	End	15028
Name	OJ000314_32.0412.C11.o2.tm	Method	TBLASTX:Maize
Start	6409	End	7112
GI	none	Score	118
Exons	6409..6477, 6410..6484, 6411..6485, 6411..6485, 6571..6666, 6572..6670, 6816..6899, 6820..6900, 6823..6900, 7002..7112, 7009..7110		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100292	Strand	-
Start	12975	End	15028

Name	OJ000314_32.0412.C11.o1.ts	Method	TBLASTX:Soybean
Start	8755	End	13136
GI	none	Score	108
Exons	8755..8865, 8863..9075, 9073..9180, 12996..13136		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100292	Strand	-
Start	12975	End	15028
Name	OJ000314_32.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	8809	End	9153
GI	none	Score	60
Exons	8809..8889, 8810..8866, 8881..8952, 8986..9084, 8987..9100, 9079..9153		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100292	Strand	-
Start	12975	End	15028
Name	OJ000314_32.0412.C11.o3.gs	Method	GENSCAN
Start	12975	End	13964
GI	none	Score	.73
Exons	12975..13163, 13379..13558, 13812..13964		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100292	Strand	-
Start	12975	End	15028
Name	OJ000314_32.0412.C11.o3.np	Method	AAT/NAP
Start	12984	End	13136
GI	7485628	Score	53
Exons	12984..13136		
GI Descrip.	hypothetical protein F17K2.14 - Arabidopsis thaliana gi|2979556|gb|AAC06165.1| (AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	47170	Seq. ID	OJ000314_32.0412.C11
Gene No.	100292	Strand	-
Start	12975	End	15028
Name	OJ000314_32.0412.C11.o4.np	Method	AAT/NAP
Start	13720	End	15028
GI	5777617	Score	76
Exons	13720..13822, 14996..15028		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	47171	Seq. ID	OJ000314_32.0412.C12
Gene No.	100293	Strand	+
Start	399	End	1037
Name	OJ000314_32.0412.C12.o1.gs	Method	GENSCAN
Start	399	End	858
GI	none	Score	.73
Exons	399..858		

Seq. No.	47171	Seq. ID	OJ000314_32.0412.C12
Gene No.	100293	Strand	+
Start	399	End	1037
Name	OJ000314_32.0412.C12.o1.np	Method	AAT/NAP
Start	399	End	1037
GI	4680203	Score	634
Exons	399..1037		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	47171	Seq. ID	OJ000314_32.0412.C12
Gene No.	100293	Strand	+
Start	399	End	1037
Name	OJ000314_32.0412.C12.o1.tw	Method	TBLASTX:Wheat
Start	750	End	1037
GI	none	Score	103
Exons	750..857, 840..1037, 841..1008, 848..1033		

Seq. No.	47172	Seq. ID	OJ000314_39.0412.C3
Gene No.	100294	Strand	-
Start	2670	End	7237
Name	OJ000314_39.0412.C3.o1.np	Method	AAT/NAP
Start	2670	End	5811
GI	7340868	Score	48
Exons	2670..2757, 3901..4043, 5766..5811		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47172	Seq. ID	OJ000314_39.0412.C3
Gene No.	100294	Strand	-
Start	2670	End	7237
Name	OJ000314_39.0412.C3.o2.np	Method	AAT/NAP
Start	5203	End	7237
GI	7248394	Score	72
Exons	5203..5308, 7119..7237		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	47172	Seq. ID	OJ000314_39.0412.C3
Gene No.	100295	Strand	-
Start	8875	End	11402
Name	OJ000314_39.0412.C3.o3.np	Method	AAT/NAP
Start	8820	End	11229
GI	7487209	Score	104
Exons	8820..8880, 10018..10281, 11147..11229		
GI Descrip.	hypothetical protein T19P19.120 - Arabidopsis thaliana gi|3080442|emb|CAA18759.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270957|emb|CAB80636.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	47172	Seq. ID	OJ000314_39.0412.C3
Gene No.	100295	Strand	-
Start	8875	End	11402
Name	OJ000314_39.0412.C3.o2.gs	Method	GENSCAN
Start	8875	End	11402
GI	none	Score	.53
Exons	8875..9054, 9898..10368, 10457..10534, 10773..11158, 11314..11402		

Seq. No.	47172	Seq. ID	OJ000314_39.0412.C3
Gene No.	100296	Strand	
Start	12215	End	12680
Name	OJ000314_39.0412.C3.o1.tm	Method	TBLASTX:Maize

Start	12215	End	12680
GI	none	Score	182
Exons	12215..12490, 12215..12481, 12220..12489, 12479..12523, 12480..12515, 12539..12607, 12562..12660, 12573..12680		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100297	Strand	+
Start	248	End	3439
Name	OJ000314_39.0412.C5.o1.gp	Method	AAT/GAP
Start	248	End	1704
GI	700315	Score	663
Exons	248..501, 1591..1704		
GI Descrip.	3915039/sp|Q41144|STC_RICCO 1.0e-15 SUGAR CARRIER PROTEIN C >gi_169718 (L08196) sugar carrier protein [Ricinus communis]		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100297	Strand	+
Start	248	End	3439
Name	OJ000314_39.0412.C5.o1.gs	Method	GENSCAN
Start	363	End	3428
GI	none	Score	.74
Exons	363..501, 1591..1913, 1997..2419, 2492..2644, 2970..3428		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100297	Strand	+
Start	248	End	3439
Name	OJ000314_39.0412.C5.o1.np	Method	AAT/NAP
Start	363	End	3439
GI	3915039	Score	1394
Exons	363..501, 1591..1913, 1997..2644, 2970..3439		
GI Descrip.	SUGAR CARRIER PROTEIN C gi|7446731|pir||T10122 hexose transport protein STC - castor bean gi|169718|gb|AAA79761.1| (L08196) sugar carrier protein [Ricinus communis]		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100298	Strand	+
Start	5233	End	5979
Name	OJ000314_39.0412.C5.o2.gs	Method	GENSCAN
Start	5233	End	5979
GI	none	Score	.98
Exons	5233..5979		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o1.tc	Method	TBLASTX:Cress
Start	411	End	3416
GI	none	Score	115
Exons	411..503, 1586..1864, 1587..1904, 1997..2332, 2002..2088, 2140..2394, 2368..2436, 2369..2644, 2479..2643, 2480..2644, 3018..3374, 3048..3206, 3077..3373, 3267..3416		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	411	End	3389

GI	none	Score	108
Exons	411..503, 1572..1643, 1586..1864, 1587..1904, 1996..2088, 1997..2326, 2140..2253, 2369..2644, 2479..2643, 3018..3389, 3083..3373		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o5.tm	Method	TBLASTX:Maize
Start	411	End	1805
GI	none	Score	114
Exons	411..503, 1586..1804, 1587..1805		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o4.tm	Method	TBLASTX:Maize
Start	1806	End	2281
GI	none	Score	114
Exons	1806..1904, 1997..2125, 2135..2281		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o2.tm	Method	TBLASTX:Maize
Start	2356	End	3374
GI	none	Score	270
Exons	2356..2436, 2357..2647, 2479..2643, 2480..2644, 2967..3374, 2967..3365, 2978..3370		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o1.tw	Method	TBLASTX:Wheat
Start	3039	End	3365
GI	none	Score	363
Exons	3039..3365, 3039..3206, 3089..3364, 3255..3365		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	7834	End	10350
GI	none	Score	128
Exons	7834..7926, 7926..7961, 7964..8008, 9886..9984, 9888..10349, 9891..10145, 10036..10350		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o3.tw	Method	TBLASTX:Wheat
Start	7834	End	10349
GI	none	Score	85
Exons	7834..7878, 7964..7990, 10044..10349, 10045..10164		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-

Start	9732	End	11807
Name	OJ000314_39.0412.C5.o3.tm	Method	TBLASTX:Maize
Start	8246	End	11807
GI	none	Score	84
Exons	8246..8353, 8250..8351, 8300..8353, 8325..8465, 8361..8465, 8362..8466, 11282..11488, 11295..11378, 11375..11497, 11540..11806, 11592..11807		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o2.np	Method	AAT/NAP
Start	9732	End	11807
GI	5713172	Score	850
Exons	9732..10349, 11147..11807		
GI Descrip.	(AF166332) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o2.ts	Method	TBLASTX:Soybean
Start	9741	End	11806
GI	none	Score	182
Exons	9741..10352, 9856..10164, 10246..10350, 11342..11413, 11543..11806		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o2.tw	Method	TBLASTX:Wheat
Start	9744	End	10016
GI	none	Score	134
Exons	9744..10016, 9745..9987, 9768..10013		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o2.tc	Method	TBLASTX:Cress
Start	9762	End	10337
GI	none	Score	91
Exons	9762..10337, 9865..9969		

Seq. No.	47173	Seq. ID	OJ000314_39.0412.C5
Gene No.	100299	Strand	-
Start	9732	End	11807
Name	OJ000314_39.0412.C5.o3.tc	Method	TBLASTX:Cress
Start	11543	End	11807
GI	none	Score	68
Exons	11543..11806, 11718..11807		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100300	Strand	-
Start	52	End	526
Name	OJ000314_39.0412.C6.o1.gs	Method	GENSCAN
Start	52	End	526
GI	none	Score	.44
Exons	52..275, 372..526		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o1.tw	Method	TBLASTX:Wheat
Start	3631	End	6580
GI	none	Score	106
Exons	3631..3675, 3701..3940, 3711..3881, 6524..6580		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o2.tm	Method	TBLASTX:Maize
Start	3731	End	6793
GI	none	Score	94
Exons	3731..3799, 3830..4192, 4014..4199, 6662..6793		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	4463	End	7700
GI	none	Score	414
Exons	4463..4792, 7053..7700		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o1.ts	Method	TBLASTX:Soybean
Start	4541	End	7430
GI	none	Score	127
Exons	4541..4675, 6885..7013, 7080..7430		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o2.tw	Method	TBLASTX:Wheat
Start	4541	End	7403
GI	none	Score	183
Exons	4541..4711, 6966..7013, 7122..7403		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o1.np	Method	AAT/NAP
Start	4666	End	7775
GI	6069646	Score	455
Exons	4666..4720, 6391..6994, 7283..7775		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218

Name	OJ000314_39.0412.C6.o3.tm	Method	TBLASTX:Maize
Start	4813	End	7775
GI	none	Score	77
Exons	4813..4998, 4815..4997, 4997..5152, 4998..5153, 7707..7775		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o3.gs	Method	GENSCAN
Start	6783	End	8218
GI	none	Score	.42
Exons	6783..7679, 7776..7827, 8052..8218		

Seq. No.	47174	Seq. ID	OJ000314_39.0412.C6
Gene No.	100301	Strand	-
Start	4666	End	8218
Name	OJ000314_39.0412.C6.o4.tm	Method	TBLASTX:Maize
Start	6807	End	7040
GI	none	Score	100
Exons	6807..7040, 6808..7032		

Seq. No.	47175	Seq. ID	OJ000314_39.0412.C7
Gene No.	100302	Strand	-
Start	1608	End	7149
Name	OJ000314_39.0412.C7.o1.gs	Method	GENSCAN
Start	1608	End	7149
GI	none	Score	.46
Exons	1608..1687, 3031..3156, 4206..4490, 4665..4787, 4798..5045, 5075..5180, 5186..5338, 5682..5835, 6206..6332, 7142..7149		

Seq. No.	47175	Seq. ID	OJ000314_39.0412.C7
Gene No.	100302	Strand	-
Start	1608	End	7149
Name	OJ000314_39.0412.C7.o2.np	Method	AAT/NAP
Start	1759	End	6425
GI	5852181	Score	130
Exons	1759..1828, 3000..3169, 6388..6425		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	47175	Seq. ID	OJ000314_39.0412.C7
Gene No.	100302	Strand	-
Start	1608	End	7149
Name	OJ000314_39.0412.C7.o1.np	Method	AAT/NAP
Start	2426	End	2887
GI	6598595	Score	187
Exons	2426..2887		
GI Descrip.	(AC006527) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	47175	Seq. ID	OJ000314_39.0412.C7
Gene No.	100302	Strand	-
Start	1608	End	7149
Name	OJ000314_39.0412.C7.o3.np	Method	AAT/NAP
Start	2437	End	4350
GI	4263543	Score	144
Exons	2437..2806, 3738..3832, 4254..4350		
GI Descrip.	(AC006250) putative Athila retroelement ORF1 protein		

[Arabidopsis thaliana]

Seq. No.	47176	Seq. ID	OJ000314_39.0412.C8
Gene No.	100303	Strand	+
Start	446	End	536
Name	OJ000314_39.0412.C8.o1.gs	Method	GENSCAN
Start	446	End	536
GI	none	Score	.91
Exons	446..536		

Seq. No.	47176	Seq. ID	OJ000314_39.0412.C8
Gene No.	100304	Strand	+
Start	1952	End	3433
Name	OJ000314_39.0412.C8.o1.np	Method	AAT/NAP
Start	1952	End	3433
GI	7340909	Score	77
Exons	1952..2057, 3359..3433		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47176	Seq. ID	OJ000314_39.0412.C8
Gene No.	100305	Strand	+
Start	5407	End	10392
Name	OJ000314_39.0412.C8.o2.np	Method	AAT/NAP
Start	5407	End	10392
GI	6069667	Score	948
Exons	5407..5554, 6051..6158, 6519..6628, 7557..7737, 7797..7816, 7848..8060, 10365..10392		
GI Descrip.	(AP000616) similar to UMP/CMP kinase (AF000147) [Oryza sativa]		

Seq. No.	47176	Seq. ID	OJ000314_39.0412.C8
Gene No.	100305	Strand	+
Start	5407	End	10392
Name	OJ000314_39.0412.C8.o1.gp	Method	AAT/GAP
Start	8725	End	9218
GI	uC-osflcyp126f10b1	Score	931
Exons	8725..9218		
GI Descrip.	'3915039/sp|Q41144|STC_RICCO 1.0e-15 SUGAR CARRIER PROTEIN C >gi_169718 (L08196) sugar carrier protein [Ricinus communis]'		

Seq. No.	47176	Seq. ID	OJ000314_39.0412.C8
Gene No.	100306	Strand	-
Start	4135	End	5477
Name	OJ000314_39.0412.C8.o2.gs	Method	GENSCAN
Start	4135	End	5477
GI	none	Score	.7
Exons	4135..4325, 5423..5477		

Seq. No.	47176	Seq. ID	OJ000314_39.0412.C8
Gene No.	100307	Strand	-
Start	7356	End	8015
Name	OJ000314_39.0412.C8.o3.gs	Method	GENSCAN
Start	7356	End	8015
GI	none	Score	.79
Exons	7356..8015		

Seq. No.	47176	Seq. ID	OJ000314_39.0412.C8
Gene No.	100308	Strand	-

Start	8900	End	9193
Name	OJ000314_39.0412.C8.o4.gs	Method	GENSCAN
Start	8900	End	9193
GI	none	Score	.51
Exons	8900..9193		

Seq. No.	47177	Seq. ID	OJ000314_39.0412.C9
Gene No.	100309	Strand	+
Start	571	End	1457
Name	OJ000314_39.0412.C9.o1.gs	Method	GENSCAN
Start	571	End	1457
GI	none	Score	.5
Exons	571..730, 1368..1457		

Seq. No.	47177	Seq. ID	OJ000314_39.0412.C9
Gene No.	100310	Strand	-
Start	2051	End	2509
Name	OJ000314_39.0412.C9.o2.gs	Method	GENSCAN
Start	2051	End	2509
GI	none	Score	.65
Exons	2051..2509		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100311	Strand	+
Start	608	End	701
Name	OJ000314_39.0412.C10.o1.gp	Method	AAT/GAP
Start	608	End	701
GI	LIB3477-003-P1-K1-E9	Score	144
Exons	608..701		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o1.np	Method	AAT/NAP
Start	1	End	1860
GI	7340909	Score	135
Exons	1..127, 209..487, 1824..1860		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o1.gs	Method	GENSCAN
Start	140	End	4690
GI	none	Score	.71
Exons	140..277, 1630..2190, 2336..3277, 3976..4063, 4653..4690		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o2.np	Method	AAT/NAP
Start	1573	End	3235
GI	5915837	Score	1022
Exons	1573..2190, 2336..3235		

GI Descrip. CYTOCHROME P450 71D8 (P450 CP7) gi|3334667|emb|CAA71517| (Y10493) putative cytochrome P450 [Glycine max]

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	1582	End	3064
GI	none	Score	159
Exons	1582..2190, 1633..2049, 1712..2191, 2423..2704, 2747..3064		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o2.tm	Method	TBLASTX:Maize
Start	1585	End	2190
GI	none	Score	279
Exons	1585..2058, 1586..2017, 1769..2068, 1789..2046, 2068..2190		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o2.tw	Method	TBLASTX:Wheat
Start	1585	End	1854
GI	none	Score	60
Exons	1585..1854, 1603..1731, 1619..1849		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o1.tc	Method	TBLASTX:Cress
Start	1603	End	2196
GI	none	Score	121
Exons	1603..2196, 1684..2028, 1703..2179		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o1.tw	Method	TBLASTX:Wheat
Start	1882	End	2190
GI	none	Score	138
Exons	1882..2190, 1883..2026, 1915..2055		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o1.tm	Method	TBLASTX:Maize
Start	2483	End	3151
GI	none	Score	150
Exons	2483..2695, 2486..2704, 2493..2705, 2741..3151, 2790..2924, 3003..3149		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o2.tc	Method	TBLASTX:Cress
Start	2546	End	3142

GI	none	Score	44
Exons	2546..2707, 2741..3061, 3104..3142		

Seq. No.	47178	Seq. ID	OJ000314_39.0412.C10
Gene No.	100312	Strand	-
Start	1	End	4690
Name	OJ000314_39.0412.C10.o3.tw	Method	TBLASTX:Wheat
Start	2588	End	2918
GI	none	Score	68
Exons	2588..2704, 2741..2902, 2808..2918		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100313	Strand	+
Start	91	End	1322
Name	OJ000314_39.0412.C11.o1.gs	Method	GENSCAN
Start	91	End	1322
GI	none	Score	.76
Exons	91..213, 336..436, 1242..1322		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100314	Strand	+
Start	3211	End	5701
Name	OJ000314_39.0412.C11.o1.np	Method	AAT/NAP
Start	3211	End	5701
GI	6997177	Score	501
Exons	3211..3351, 3496..3590, 3676..4456, 5658..5701		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-
Start	8333	End	15673
Name	OJ000314_39.0412.C11.o2.tm	Method	TBLASTX:Maize
Start	3460	End	4091
GI	none	Score	70
Exons	3460..3615, 3674..4006, 3740..3766, 3754..3864, 3943..4005, 4041..4091		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-
Start	8333	End	15673
Name	OJ000314_39.0412.C11.o2.tw	Method	TBLASTX:Wheat
Start	3499	End	3960
GI	none	Score	56
Exons	3499..3615, 3629..3658, 3674..3958, 3763..3960		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-
Start	8333	End	15673
Name	OJ000314_39.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	4091	End	4440
GI	none	Score	68
Exons	4091..4141, 4093..4143, 4095..4142, 4106..4144, 4138..4161, 4138..4401, 4139..4402, 4227..4421, 4267..4413, 4391..4435, 4399..4440		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-

Start	8333	End	15673
Name	OJ000314_39.0412.C11.o1.tw	Method	TBLASTX:Wheat
Start	4091	End	4453
GI	none	Score	63
Exons	4091..4141, 4095..4142, 4098..4142, 4138..4224, 4139..4258, 4139..4258, 4268..4453, 4268..4453		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-
Start	8333	End	15673
Name	OJ000314_39.0412.C11.o2.np	Method	AAT/NAP
Start	8333	End	11978
GI	6815109	Score	195
Exons	8333..8362, 10630..10848, 11833..11978		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-
Start	8333	End	15673
Name	OJ000314_39.0412.C11.o4.gs	Method	GENSCAN
Start	8712	End	15673
GI	none	Score	.72
Exons	8712..8847, 10147..10298, 10544..10606, 13406..13519, 13611..13623, 14230..14324, 14644..14743, 15420..15533, 15609..15673		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-
Start	8333	End	15673
Name	OJ000314_39.0412.C11.o4.np	Method	AAT/NAP
Start	11602	End	14143
GI	6815109	Score	180
Exons	11602..11629, 12588..12857, 13663..14143		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47179	Seq. ID	OJ000314_39.0412.C11
Gene No.	100315	Strand	-
Start	8333	End	15673
Name	OJ000314_39.0412.C11.o3.np	Method	AAT/NAP
Start	12467	End	14432
GI	5042454	Score	206
Exons	12467..12661, 13582..13910, 14382..14432		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47180	Seq. ID	OJ000314_39.0412.C12
Gene No.	100316	Strand	+
Start	262	End	2469
Name	OJ000314_39.0412.C12.o1.gp	Method	AAT/GAP
Start	262	End	2020
GI	LIB3475-008-P1-K1-F1	Score	720
Exons	262..523, 1627..1724, 1978..2020		
GI Descrip.	'3819227/emb|AJ234444.1|HVU234444 3.0e-33 Hordeum vulgare partial mRNA; clone cMWG0740'		

Seq. No.	47180	Seq. ID	OJ000314_39.0412.C12
Gene No.	100316	Strand	+
Start	262	End	2469

Name	OJ000314_39.0412.C12.o1.gs	Method	GENSCAN
Start	380	End	2445
GI	none	Score	.78
Exons	380..523, 1627..1724, 1978..2071, 2165..2247, 2347..2445		

Seq. No.	47180	Seq. ID	OJ000314_39.0412.C12
Gene No.	100316	Strand	+
Start	262	End	2469
Name	OJ000314_39.0412.C12.o1.ts	Method	TBLASTX:Soybean
Start	1973	End	2469
GI	none	Score	80
Exons	1973..2092, 1988..2074, 2165..2248, 2357..2458, 2359..2469		

Seq. No.	47181	Seq. ID	OJ000314_39.0412.C13
Gene No.	100317	Strand	+
Start	1	End	4126
Name	OJ000314_39.0412.C13.o1.np	Method	AAT/NAP
Start	1	End	3248
GI	6723882	Score	118
Exons	1..55, 220..318, 390..506, 620..683, 923..1014, 2194..2272, 3184..3248		
GI Descrip.	(AL136534) putative membrane protein (fragment). [Streptomyces coelicolor A3(2)]		

Seq. No.	47181	Seq. ID	OJ000314_39.0412.C13
Gene No.	100317	Strand	+
Start	1	End	4126
Name	OJ000314_39.0412.C13.o1.ts	Method	TBLASTX:Soybean
Start	215	End	4102
GI	none	Score	112
Exons	215..355, 216..356, 216..389, 217..360, 425..502, 426..521, 616..681, 617..730, 910..1017, 921..1013, 2194..2259, 2194..2259, 3150..3269, 3152..3268, 3918..4067, 3944..4102		

Seq. No.	47181	Seq. ID	OJ000314_39.0412.C13
Gene No.	100317	Strand	+
Start	1	End	4126
Name	OJ000314_39.0412.C13.o1.gs	Method	GENSCAN
Start	271	End	4126
GI	none	Score	.93
Exons	271..359, 431..509, 2194..2259, 3153..3269, 3947..4126		

Seq. No.	47182	Seq. ID	OJ000114_26.0404.C1
Gene No.	100318	Strand	+
Start	630	End	1301
Name	OJ000114_26.0404.C1.o1.gs	Method	GENSCAN
Start	630	End	1301
GI	none	Score	.59
Exons	630..761, 1218..1301		

Seq. No.	47182	Seq. ID	OJ000114_26.0404.C1
Gene No.	100319	Strand	-
Start	2543	End	5823
Name	OJ000114_26.0404.C1.o1.np	Method	AAT/NAP
Start	2543	End	4455
GI	7106512	Score	606
Exons	2543..2594, 3625..3849, 3904..4068, 4117..4455		

GI Descrip. (AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	47182	Seq. ID	OJ000114_26.0404.C1
Gene No.	100319	Strand	-
Start	2543	End	5823
Name	OJ000114_26.0404.C1.o3.gs	Method	GENSCAN
Start	3553	End	5823
GI	none	Score	.65
Exons	3553..3879, 3908..4011, 4033..4303, 4309..4528, 5621..5823		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100320	Strand	+
Start	1	End	2170
Name	OJ000114_26.0404.C2.o1.np	Method	AAT/NAP
Start	1	End	2170
GI	7340881	Score	180
Exons	1..404, 2150..2170		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100321	Strand	+
Start	3253	End	3760
Name	OJ000114_26.0404.C2.o3.gs	Method	GENSCAN
Start	3253	End	3760
GI	none	Score	.77
Exons	3253..3347, 3580..3760		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100322	Strand	+
Start	4764	End	7445
Name	OJ000114_26.0404.C2.o1.gp	Method	AAT/GAP
Start	4647	End	5853
GI	8406_1.R1084	Score	760
Exons	4647..4916, 5699..5853		
GI Descrip.	'4127456/emb|CAA09368| 2.0e-14 (AJ010818) Cpn21 protein [Arabidopsis thaliana]'		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100322	Strand	+
Start	4764	End	7445
Name	OJ000114_26.0404.C2.o3.np	Method	AAT/NAP
Start	4743	End	7445
GI	7331143	Score	416
Exons	4743..4916, 5699..5878, 6205..6364, 7309..7445		
GI Descrip.	(AF233745) chaperonin 21 precursor [Lycopersicon esculentum]		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100322	Strand	+
Start	4764	End	7445
Name	OJ000114_26.0404.C2.o4.gs	Method	GENSCAN
Start	4764	End	6360
GI	none	Score	.87
Exons	4764..4916, 5699..5878, 6205..6360		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100323	Strand	-

Start	1	End	4086
Name	OJ000114_26.0404.C2.o2.np	Method	AAT/NAP
Start	1	End	4086
GI	7106512	Score	898
Exons	1..31, 2153..2810, 2944..3485, 3601..3670, 3812..3948, 4026..4086		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100323	Strand	-
Start	1	End	4086
Name	OJ000114_26.0404.C2.o1.gs	Method	GENSCAN
Start	40	End	952
GI	none	Score	.51
Exons	40..415, 888..952		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100323	Strand	-
Start	1	End	4086
Name	OJ000114_26.0404.C2.o2.gs	Method	GENSCAN
Start	2051	End	2635
GI	none	Score	.69
Exons	2051..2635		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100324	Strand	
Start	4757	End	6369
Name	OJ000114_26.0404.C2.o1.tm	Method	TBLASTX:Maize
Start	4757	End	6366
GI	none	Score	125
Exons	4757..4783, 4877..4915, 5678..5839, 5696..5887, 5698..5886, 5712..5900, 6159..6281, 6200..6361, 6205..6363, 6205..6366, 6208..6306		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100324	Strand	
Start	4757	End	6369
Name	OJ000114_26.0404.C2.o1.tc	Method	TBLASTX:Cress
Start	5678	End	6366
GI	none	Score	123
Exons	5678..5839, 5693..5875, 5696..5887, 5698..5892, 6205..6366, 6206..6361, 6208..6363		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100324	Strand	
Start	4757	End	6369
Name	OJ000114_26.0404.C2.o1.ts	Method	TBLASTX:Soybean
Start	5678	End	6363
GI	none	Score	124
Exons	5678..5839, 5696..5875, 5698..5874, 5710..5829, 6199..6363, 6207..6281		

Seq. No.	47183	Seq. ID	OJ000114_26.0404.C2
Gene No.	100324	Strand	
Start	4757	End	6369
Name	OJ000114_26.0404.C2.o1.tw	Method	TBLASTX:Wheat

Start	5678	End	6369
GI	none	Score	145
Exons	5678..5839, 5707..5829, 5762..5887, 6199..6369, 6202..6360		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100325	Strand	+
Start	1591	End	5777
Name	OJ000114_26.0404.C5.o1.np	Method	AAT/NAP
Start	1591	End	5771
GI	7430636	Score	1607
Exons	1591..2525, 5145..5771		
GI Descrip.	probable cytochrome P450, hypersensitivity-related - common tobacco gi|1171579|emb|CAA64635.1| (X95342) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100325	Strand	+
Start	1591	End	5777
Name	OJ000114_26.0404.C5.o1.gs	Method	GENSCAN
Start	1639	End	5777
GI	none	Score	.73
Exons	1639..2413, 2437..2525, 5145..5777		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100326	Strand	+
Start	19197	End	19622
Name	OJ000114_26.0404.C5.o1.gp	Method	AAT/GAP
Start	19197	End	19622
GI	67381_1.R1084	Score	780
Exons	19197..19622		
GI Descrip.	'1171579/emb|CAA64635| 1.0e-15 (X95342) cytochrome P450 [Nicotiana tabacum]'		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100327	Strand	+
Start	22654	End	22738
Name	OJ000114_26.0404.C5.o3.gp	Method	AAT/GAP
Start	22654	End	22738
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	22654..22738		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100328	Strand	-
Start	6152	End	6305
Name	OJ000114_26.0404.C5.o2.gs	Method	GENSCAN
Start	6152	End	6305
GI	none	Score	.75
Exons	6152..6235, 6252..6305		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100329	Strand	-
Start	8267	End	12547
Name	OJ000114_26.0404.C5.o2.np	Method	AAT/NAP
Start	8267	End	12547

GI	7444451	Score	4615
Exons	8267..12547		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100330	Strand	-
Start	15022	End	15258
Name	OJ000114_26.0404.C5.o4.gs	Method	GENSCAN
Start	15022	End	15258
GI	none	Score	.99
Exons	15022..15258		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100331	Strand	-
Start	15618	End	16713
Name	OJ000114_26.0404.C5.o5.gs	Method	GENSCAN
Start	15618	End	16713
GI	none	Score	.61
Exons	15618..15626, 15793..16713		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o1.tc	Method	TBLASTX:Cress
Start	1600	End	21587
GI	none	Score	177
Exons	1600..1953, 1692..1874, 1960..2064, 5145..5672, 5159..5656, 13224..13751, 13237..13608, 13678..13737, 16210..16341, 16348..16635, 16409..16609, 19505..20071, 19515..19862, 21306..21587, 21385..21567		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o2.tm	Method	TBLASTX:Maize
Start	1650	End	21593
GI	none	Score	500
Exons	1650..1895, 1651..2052, 1848..2057, 1932..2027, 1972..2052, 16246..16329, 16246..16635, 16265..16366, 16406..16630, 16480..16647, 21204..21590, 21207..21287, 21223..21324, 21364..21591, 21429..21593		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o1.ts	Method	TBLASTX:Soybean
Start	1671	End	21620
GI	none	Score	65
Exons	1671..1772, 1671..1895, 1672..2073, 1935..2027, 2062..2184, 2169..2366, 2269..2412, 2281..2391, 2427..2525, 2430..2525, 5144..5749, 5145..5765, 13122..13757, 13131..13787, 13189..13764, 15793..15897, 15793..15897, 15912..16094, 15913..16095, 15913..16101, 16129..16626, 16136..16201, 16265..16366, 16406..16687, 19409..20050, 19436..19750, 19467..20036, 20760..20855, 20760..20879, 20874..21086,		

20901..21035, 21063..21614, 21088..21159, 21223..21324,
21364..21594, 21438..21620

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o8.tw	Method	TBLASTX:Wheat
Start	1671	End	21770
GI	none	Score	182
Exons	1671..1895, 1672..2007, 16294..16623, 16406..16609, 21252..21581, 21364..21504, 21529..21567, 21693..21770		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o5.tm	Method	TBLASTX:Maize
Start	2059	End	21200
GI	none	Score	43
Exons	2059..2094, 2083..2190, 2107..2151, 2115..2177, 2199..2366, 2269..2367, 15952..16101, 15953..16099, 16087..16224, 16136..16219, 16213..16242, 20919..21035, 20919..21089, 20920..21090, 21079..21165, 21081..21176, 21087..21176, 21171..21200		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o1.tm	Method	TBLASTX:Maize
Start	2368	End	20918
GI	none	Score	57
Exons	2368..2421, 2378..2419, 2418..2525, 2427..2525, 5144..5782, 5145..5783, 13119..13757, 13122..13787, 13201..13764, 15792..15947, 15793..15948, 15793..15951, 19382..19927, 19400..20053, 19458..20036, 20759..20854, 20760..20915, 20760..20918		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o5.tw	Method	TBLASTX:Wheat
Start	2439	End	20033
GI	none	Score	59
Exons	2439..2522, 5144..5449, 5145..5450, 13443..13751, 19724..20032, 19725..19874, 19941..20033		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o6.tw	Method	TBLASTX:Wheat
Start	5480	End	19699
GI	none	Score	215
Exons	5480..5698, 5481..5717, 13179..13418, 13206..13418, 19460..19699, 19487..19699		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770

Name	OJ000114_26.0404.C5.o2.ts	Method	TBLASTX:Soybean
Start	8241	End	8914
GI	none	Score	38
Exons	8241..8267, 8267..8914, 8319..8726, 8763..8912		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o5.tc	Method	TBLASTX:Cress
Start	8255	End	8740
GI	none	Score	41
Exons	8255..8485, 8421..8486, 8523..8612, 8525..8641, 8651..8740		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o3.tm	Method	TBLASTX:Maize
Start	8276	End	8923
GI	none	Score	45
Exons	8276..8488, 8397..8495, 8504..8923, 8577..8831		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o1.tw	Method	TBLASTX:Wheat
Start	8678	End	9115
GI	none	Score	55
Exons	8678..9115, 8679..8765, 8793..9053		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o6.tc	Method	TBLASTX:Cress
Start	8987	End	9232
GI	none	Score	189
Exons	8987..9232		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o4.tm	Method	TBLASTX:Maize
Start	9050	End	9487
GI	none	Score	145
Exons	9050..9487, 9177..9476		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o3.tw	Method	TBLASTX:Wheat
Start	9116	End	9629
GI	none	Score	74
Exons	9116..9298, 9284..9628, 9285..9479, 9531..9629		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o3.ts	Method	TBLASTX:Soybean

Start	9293	End	9811
GI	5509260	Score	109
Exons	9293..9811, 9306..9470, 9540..9659		
GI Descrip.	-		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o3.tc	Method	TBLASTX:Cress
Start	9410	End	9683
GI	none	Score	136
Exons	9410..9670, 9411..9683		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o9.tm	Method	TBLASTX:Maize
Start	9533	End	9766
GI	none	Score	75
Exons	9533..9766, 9540..9671		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o2.tc	Method	TBLASTX:Cress
Start	10337	End	10801
GI	none	Score	38
Exons	10337..10801, 10338..10457, 10512..10775		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o4.tw	Method	TBLASTX:Wheat
Start	10337	End	10684
GI	none	Score	277
Exons	10337..10684		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o4.ts	Method	TBLASTX:Soybean
Start	10355	End	10789
GI	none	Score	248
Exons	10355..10789		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o7.tm	Method	TBLASTX:Maize
Start	10358	End	10688
GI	none	Score	116
Exons	10358..10681, 10362..10688		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o5.ts	Method	TBLASTX:Soybean

Start	10796	End	11209
GI	none	Score	78
Exons	10796..10966, 10985..11098, 11105..11209		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o8.tm	Method	TBLASTX:Maize
Start	11277	End	11578
GI	none	Score	137
Exons	11277..11573, 11285..11578, 11303..11578		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o2.tw	Method	TBLASTX:Wheat
Start	11285	End	11653
GI	none	Score	202
Exons	11285..11653, 11286..11612, 11306..11632		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o7.tw	Method	TBLASTX:Wheat
Start	11903	End	12217
GI	none	Score	67
Exons	11903..12217, 11979..12149		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o4.tc	Method	TBLASTX:Cress
Start	11978	End	12487
GI	none	Score	60
Exons	11978..12367, 12377..12487		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o6.tm	Method	TBLASTX:Maize
Start	12032	End	12451
GI	none	Score	145
Exons	12032..12337, 12035..12331, 12093..12341, 12365..12451		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o6.gs	Method	GENSCAN
Start	19400	End	21671
GI	none	Score	.96
Exons	19400..20032, 20760..21671		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o3.np	Method	AAT/NAP
Start	19439	End	21665

GI	7430637	Score	1818
Exons	19439..20032, 20760..21665		
GI Descrip.	cytochrome P450 - common tobacco gi|1237250|emb|CAA65580.1| (X96784) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	47184	Seq. ID	OJ000114_26.0404.C5
Gene No.	100332	Strand	-
Start	19400	End	21770
Name	OJ000114_26.0404.C5.o2.gp	Method	AAT/GAP
Start	19879	End	21742
GI	35473_1.R1084	Score	2165
Exons	19879..20032, 20760..21742		
GI Descrip.	'1237250/emb|CAA65580| 1.0e-128 (X96784) cytochrome P450 [Nicotiana tabacum]'		

Seq. No.	47185	Seq. ID	OJ000114_26.0404.C6
Gene No.	100333	Strand	+
Start	1143	End	4442
Name	OJ000114_26.0404.C6.o1.gs	Method	GENSCAN
Start	1143	End	4442
GI	none	Score	.46
Exons	1143..1243, 1287..1456, 2608..2768, 4104..4442		

Seq. No.	47185	Seq. ID	OJ000114_26.0404.C6
Gene No.	100333	Strand	+
Start	1143	End	4442
Name	OJ000114_26.0404.C6.o1.tm	Method	TBLASTX:Maize
Start	3317	End	3995
GI	none	Score	94
Exons	3317..3475, 3330..3521, 3348..3515, 3351..3512, 3354..3509, 3368..3517, 3391..3471, 3401..3472, 3438..3506, 3449..3526, 3456..3527, 3456..3533, 3457..3549, 3509..3601, 3510..3602, 3537..3614, 3538..3654, 3538..3690, 3540..3659, 3551..3658, 3576..3650, 3582..3659, 3586..3654, 3587..3655, 3644..3871, 3653..3703, 3667..3837, 3700..3816, 3713..3820, 3719..3823, 3724..3822, 3737..3871, 3737..3835, 3747..3839, 3900..3995, 3901..3978, 3902..3970, 3906..3977		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100334	Strand	+
Start	519	End	5373
Name	OJ000114_26.0404.C7.o1.gs	Method	GENSCAN
Start	519	End	3161
GI	none	Score	.7
Exons	519..635, 2613..2640, 2890..3161		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100334	Strand	+
Start	519	End	5373
Name	OJ000114_26.0404.C7.o1.np	Method	AAT/NAP
Start	2844	End	5373
GI	7430636	Score	148
Exons	2844..3069, 5317..5373		
GI Descrip.	probable cytochrome P450, hypersensitivity-related - common tobacco gi|1171579|emb|CAA64635.1| (X95342) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100335	Strand	+
Start	6684	End	7158
Name	OJ000114_26.0404.C7.o1.gp	Method	AAT/GAP
Start	6684	End	7158
GI	38782_1.R1084	Score	804
Exons	6684..7158		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100336	Strand	-
Start	3485	End	10696
Name	OJ000114_26.0404.C7.o1.ts	Method	TBLASTX:Soybean
Start	2897	End	3068
GI	none	Score	201
Exons	2897..3067, 2928..3068		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100336	Strand	-
Start	3485	End	10696
Name	OJ000114_26.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	2919	End	3070
GI	none	Score	226
Exons	2919..3062, 2927..3070, 2928..3068		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100336	Strand	-
Start	3485	End	10696
Name	OJ000114_26.0404.C7.o2.np	Method	AAT/NAP
Start	3485	End	5247
GI	6907086	Score	1488
Exons	3485..3799, 3923..3970, 4193..4433, 4491..5247		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100336	Strand	-
Start	3485	End	10696
Name	OJ000114_26.0404.C7.o2.gs	Method	GENSCAN
Start	4508	End	10696
GI	none	Score	.84
Exons	4508..4986, 10206..10258, 10668..10696		

Seq. No.	47186	Seq. ID	OJ000114_26.0404.C7
Gene No.	100336	Strand	-
Start	3485	End	10696
Name	OJ000114_26.0404.C7.o3.np	Method	AAT/NAP
Start	5959	End	6942
GI	4680186	Score	193
Exons	5959..6363, 6868..6942		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100337	Strand	+
Start	4281	End	5959
Name	OJ000114_26.0404.C8.o1.gs	Method	GENSCAN
Start	4281	End	5959

GI	none	Score	.58
Exons	4281..5225, 5258..5959		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100337	Strand	+
Start	4281	End	5959
Name	OJ000114_26.0404.C8.o1.np	Method	AAT/NAP
Start	4287	End	5953
GI	7430636	Score	1598
Exons	4287..4865, 4902..5225, 5327..5953		
GI Descrip.	probable cytochrome P450, hypersensitivity-related - common tobacco gi|1171579|emb|CAA64635.1| (X95342) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100338	Strand	+
Start	6922	End	7379
Name	OJ000114_26.0404.C8.o2.gs	Method	GENSCAN
Start	6922	End	7379
GI	none	Score	.59
Exons	6922..7083, 7102..7317, 7323..7379		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100339	Strand	-
Start	7776	End	8031
Name	OJ000114_26.0404.C8.o1.gp	Method	AAT/GAP
Start	7776	End	8031
GI	none	Score	446
Exons	7776..8031		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o3.tm	Method	TBLASTX:Maize
Start	4362	End	4751
GI	none	Score	44
Exons	4362..4580, 4363..4443, 4379..4732, 4388..4474, 4437..4751		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	4368	End	5946
GI	none	Score	398
Exons	4368..4580, 4379..4732, 4437..4796, 4770..4859, 4793..4858, 4929..5096, 4970..5074, 4980..5102, 5175..5225, 5323..5946, 5324..5890		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o2.tc	Method	TBLASTX:Cress
Start	4376	End	5845
GI	none	Score	142
Exons	4376..4558, 4437..4649, 5309..5845, 5341..5418, 5470..5844		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8

Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o3.tc	Method	TBLASTX:Cress
Start	4650	End	5117
GI	none	Score	99
Exons	4650..4850, 4929..5117		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o5.tm	Method	TBLASTX:Maize
Start	4758	End	5066
GI	none	Score	102
Exons	4758..4859, 4785..4859, 4795..4863, 4801..4884, 4929..5066, 4970..5065		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	5067	End	5959
GI	none	Score	104
Exons	5067..5225, 5070..5225, 5318..5887, 5323..5877, 5324..5959		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o2.tw	Method	TBLASTX:Wheat
Start	5327	End	5626
GI	none	Score	260
Exons	5327..5626, 5339..5554, 5341..5625		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o3.tw	Method	TBLASTX:Wheat
Start	5653	End	5899
GI	none	Score	245
Exons	5653..5880, 5660..5887, 5660..5899		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o2.np	Method	AAT/NAP
Start	7995	End	10757
GI	4006827	Score	2027
Exons	7995..8671, 9132..10757		
GI Descrip.	(AC005970) putative serine protease [Arabidopsis thaliana]		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o3.gs	Method	GENSCAN
Start	7995	End	11732
GI	none	Score	.92
Exons	7995..8671, 9132..10736, 10848..11035, 11227..11354, 11631..11732		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o2.ts	Method	TBLASTX:Soybean
Start	8001	End	10530
GI	none	Score	198
Exons	8001..8138, 8307..8678, 8410..8673, 8574..8678, 9112..9882, 9113..9586, 9683..10021, 9940..10065, 10216..10254, 10261..10377, 10262..10372, 10408..10530, 10415..10486		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	8004	End	10530
GI	none	Score	180
Exons	8004..8252, 8307..8678, 8383..8673, 9112..9654, 9113..9328, 9386..9595, 9634..9882, 9683..10033, 9940..10155, 10216..10254, 10264..10380, 10265..10399, 10393..10530		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o2.tm	Method	TBLASTX:Maize
Start	8004	End	9984
GI	none	Score	248
Exons	8004..8120, 8107..8235, 8293..8673, 8307..8678, 9112..9654, 9113..9589, 9670..9756, 9683..9757, 9751..9984, 9752..9979		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o2.gp	Method	AAT/GAP
Start	9190	End	9515
GI	LIB3432-006-P1-K1-F9	Score	564
Exons	9190..9515		
GI Descrip.	'4006827/gb|AAC95169.1| 2.0e-34 (AC005970) subtilisin-like protease [Arabidopsis thaliana]'		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	9511	End	10056
GI	none	Score	157
Exons	9511..9624, 9634..9879, 9635..9922, 9922..9990, 9940..9987, 9988..10056, 9992..10033		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o6.tm	Method	TBLASTX:Maize
Start	10017	End	10345
GI	none	Score	38
Exons	10017..10046, 10107..10133, 10189..10344, 10196..10297, 10216..10344, 10217..10345		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o4.tw	Method	TBLASTX:Wheat
Start	10100	End	10286
GI	none	Score	56
Exons	10100..10285, 10101..10133, 10127..10165, 10144..10266, 10217..10285, 10254..10286		

Seq. No.	47187	Seq. ID	OJ000114_26.0404.C8
Gene No.	100340	Strand	-
Start	7995	End	11732
Name	OJ000114_26.0404.C8.o4.tm	Method	TBLASTX:Maize
Start	10345	End	10705
GI	none	Score	188
Exons	10345..10692, 10346..10504, 10604..10705		

Seq. No.	47188	Seq. ID	OJ000114_26.0404.C9
Gene No.	100341	Strand	-
Start	1	End	429
Name	OJ000114_26.0404.C9.o1.np	Method	AAT/NAP
Start	1	End	217
GI	114559	Score	145
Exons	1..26, 94..217		
GI Descrip.	ATP SYNTHASE BETA CHAIN gi|67836|pir||PWRZB H+-transporting ATP synthase (EC 3.6.1.34) beta chain - rice chloroplast gi|11991|emb|CAA34003| (X15901) atpB; ATPase beta subunit [Oryza sativa] gi|344014|dbj|BAA00334| (D00432) ATP synthetase beta subunit [Oryza sativa] gi|226612|prf||1603356AJ ATPase beta [Oryza sativa]		

Seq. No.	47188	Seq. ID	OJ000114_26.0404.C9
Gene No.	100341	Strand	-
Start	1	End	429
Name	OJ000114_26.0404.C9.o1.tw	Method	TBLASTX:Wheat
Start	105	End	429
GI	none	Score	162
Exons	105..221, 106..222, 214..309, 215..298, 253..429, 281..418, 312..419		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100342	Strand	+
Start	6148	End	9764
Name	OJ000114_26.0404.C11.o3.np	Method	AAT/NAP
Start	6148	End	9764
GI	7487645	Score	114
Exons	6148..6183, 7329..7624, 9662..9764		
GI Descrip.	hypothetical protein T4I9.13 - Arabidopsis thaliana gi|3924606|gb|AAC79107.1| (AF069442) hypothetical protein [Arabidopsis thaliana] gi|7269784|emb|CAB77784.1| (AL161495) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100342	Strand	+
Start	6148	End	9764
Name	OJ000114_26.0404.C11.o2.gp	Method	AAT/GAP

Start	6895	End	7225
GI	2442779	Score	560
Exons	6895..7225		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100342	Strand	+
Start	6148	End	9764
Name	OJ000114_26.0404.C11.o3.gs	Method	GENSCAN
Start	7476	End	9150
GI	none	Score	.44
Exons	7476..7544, 7744..7892, 7947..8074, 8327..8411, 8870..8964, 9113..9150		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100343	Strand	+
Start	10769	End	10892
Name	OJ000114_26.0404.C11.o3.gp	Method	AAT/GAP
Start	10769	End	10892
GI	none	Score	232
Exons	10769..10892		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100344	Strand	-
Start	227	End	2132
Name	OJ000114_26.0404.C11.o1.np	Method	AAT/NAP
Start	227	End	2026
GI	4519507	Score	433
Exons	227..365, 739..870, 1672..1758, 1892..2026		
GI Descrip.	(D88434) protein abundantly expressed during apple fruit development [Malus domestica]		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100344	Strand	-
Start	227	End	2132
Name	OJ000114_26.0404.C11.o1.gp	Method	AAT/GAP
Start	293	End	2132
GI	26579_1.R1084	Score	962
Exons	293..365, 739..870, 1672..1758, 1892..2132		
GI Descrip.	'4519507/dbj|BAA75633.1| 1.0e-131 (D88434) protein abundantly expressed during apple fruit development [Malus domestica]'		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100344	Strand	-
Start	227	End	2132
Name	OJ000114_26.0404.C11.o1.gs	Method	GENSCAN
Start	293	End	2029
GI	none	Score	.77
Exons	293..365, 1672..1758, 1819..1856, 1888..2029		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100345	Strand	-
Start	6173	End	6609
Name	OJ000114_26.0404.C11.o2.np	Method	AAT/NAP
Start	6173	End	6609
GI	6539570	Score	162
Exons	6173..6241, 6415..6609		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100346	Strand	-
Start	7789	End	10798
Name	OJ000114_26.0404.C11.o1.ts	Method	TBLASTX:Soybean
Start	264	End	2002
GI	none	Score	80
Exons	264..365, 292..366, 731..871, 1889..2002	731..868, 739..879, 1669..1722,	

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100346	Strand	-
Start	7789	End	10798
Name	OJ000114_26.0404.C11.o2.tm	Method	TBLASTX:Maize
Start	291	End	879
GI	none	Score	108
Exons	291..368, 291..365, 292..366, 738..872, 739..879	293..379, 736..870, 737..871,	

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100346	Strand	-
Start	7789	End	10798
Name	OJ000114_26.0404.C11.o1.tm	Method	TBLASTX:Maize
Start	1666	End	2239
GI	none	Score	94
Exons	1666..1722, 1669..1761, 1892..2032, 1896..2033, 2120..2239		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100346	Strand	-
Start	7789	End	10798
Name	OJ000114_26.0404.C11.o1.tw	Method	TBLASTX:Wheat
Start	1702	End	2033
GI	none	Score	71
Exons	1702..1761, 1892..2032, 1896..2033		

Seq. No.	47189	Seq. ID	OJ000114_26.0404.C11
Gene No.	100346	Strand	-
Start	7789	End	10798
Name	OJ000114_26.0404.C11.o4.np	Method	AAT/NAP
Start	7789	End	10798
GI	6006367	Score	67
Exons	7789..7822, 9249..9403, 10734..10798		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	47190	Seq. ID	OJ000114_26.0404.C12
Gene No.	100347	Strand	+
Start	1	End	62
Name	OJ000114_26.0404.C12.o1.gp	Method	AAT/GAP
Start	1	End	62
GI	none	Score	105
Exons	1..62		

Seq. No.	47190	Seq. ID	OJ000114_26.0404.C12
Gene No.	100348	Strand	+
Start	51	End	326
Name	OJ000114_26.0404.C12.o1.gs	Method	GENSCAN
Start	51	End	326

GI	none	Score	.98
Exons	51..326		

Seq. No.	47190	Seq. ID	OJ000114_26.0404.C12
Gene No.	100349	Strand	-
Start	2642	End	2938
Name	OJ000114_26.0404.C12.o2.gs	Method	GENSCAN
Start	2642	End	2938
GI	none	Score	.84
Exons	2642..2938		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o2.tm	Method	TBLASTX:Maize
Start	3909	End	4117
GI	none	Score	170
Exons	3909..4106, 3913..4116, 3918..4091, 3932..4117		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o2.gs	Method	GENSCAN
Start	3931	End	4689
GI	none	Score	.84
Exons	3931..4689		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o1.ts	Method	TBLASTX:Soybean
Start	3932	End	4339
GI	none	Score	54
Exons	3932..4000, 3940..3996, 4000..4338, 4000..4338, 4001..4339		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o1.np	Method	AAT/NAP
Start	3937	End	4727
GI	6730754	Score	859
Exons	3937..4727		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o2.tc	Method	TBLASTX:Cress
Start	3941	End	4101
GI	none	Score	103
Exons	3941..4084, 3943..4101, 3947..4096		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o1.tw	Method	TBLASTX:Wheat
Start	3973	End	4317

GI	none	Score	149
Exons	3973..4221, 3974..4237, 4267..4317		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o1.tc	Method	TBLASTX:Cress
Start	4105	End	4726
GI	none	Score	194
Exons	4105..4572, 4115..4450, 4624..4725, 4637..4726		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o1.tm	Method	TBLASTX:Maize
Start	4123	End	4551
GI	none	Score	406
Exons	4123..4551, 4123..4551		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o1.gp	Method	AAT/GAP
Start	4275	End	4725
GI	LIB3433-038-P1-K1-G7	Score	873
Exons	4275..4725		
GI Descrip.	'4587550/gb|AAD25781.1|AC006577_17 7.0e-41 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o2.ts	Method	TBLASTX:Soybean
Start	4362	End	4705
GI	none	Score	59
Exons	4362..4466, 4363..4581, 4381..4572, 4609..4704, 4613..4705		

Seq. No.	47191	Seq. ID	OJ000114_26.0404.C13
Gene No.	100350	Strand	-
Start	3931	End	4727
Name	OJ000114_26.0404.C13.o3.tm	Method	TBLASTX:Maize
Start	4580	End	4726
GI	none	Score	165
Exons	4580..4726, 4588..4725		

Seq. No.	47192	Seq. ID	OJ000114_26.0404.C14
Gene No.	100351	Strand	+
Start	1439	End	2166
Name	OJ000114_26.0404.C14.o2.gs	Method	GENSCAN
Start	1439	End	2166
GI	none	Score	.46
Exons	1439..1544, 2054..2166		

Seq. No.	47192	Seq. ID	OJ000114_26.0404.C14
Gene No.	100352	Strand	-
Start	1	End	847
Name	OJ000114_26.0404.C14.o1.np	Method	AAT/NAP

Start	1	End	847
GI	4587550	Score	350
Exons	1..626, 666..847		
GI Descrip.	(AC006577) EST gb|R64848 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	47192	Seq. ID	OJ000114_26.0404.C14
Gene No.	100352	Strand	-
Start	1	End	847
Name	OJ000114_26.0404.C14.o1.ts	Method	TBLASTX:Soybean
Start	74	End	347
GI	none	Score	121
Exons	74..118, 124..291, 128..292, 300..347		

Seq. No.	47192	Seq. ID	OJ000114_26.0404.C14
Gene No.	100352	Strand	-
Start	1	End	847
Name	OJ000114_26.0404.C14.o1.gs	Method	GENSCAN
Start	85	End	841
GI	none	Score	.61
Exons	85..375, 401..841		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100353	Strand	+
Start	357	End	614
Name	OJ000114_26.0404.C15.o1.gs	Method	GENSCAN
Start	357	End	614
GI	none	Score	.52
Exons	357..614		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100354	Strand	+
Start	4596	End	4962
Name	OJ000114_26.0404.C15.o1.gp	Method	AAT/GAP
Start	4596	End	4962
GI	none	Score	715
Exons	4596..4962		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100355	Strand	+
Start	7239	End	11164
Name	OJ000114_26.0404.C15.o4.np	Method	AAT/NAP
Start	7239	End	10756
GI	7510076	Score	116
Exons	7239..7262, 10425..10756		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100355	Strand	+
Start	7239	End	11164
Name	OJ000114_26.0404.C15.o5.np	Method	AAT/NAP
Start	9820	End	11164
GI	6630699	Score	73
Exons	9820..9846, 11076..11164		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100356	Strand	-
Start	2329	End	4259
Name	OJ000114_26.0404.C15.o2.gs	Method	GENSCAN
Start	2329	End	4259
GI	none	Score	.8
Exons	2329..2924, 3378..3592, 3754..3838, 4190..4259		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100356	Strand	-
Start	2329	End	4259
Name	OJ000114_26.0404.C15.o1.np	Method	AAT/NAP
Start	2395	End	3654
GI	1084336	Score	814
Exons	2395..2924, 3378..3654		
GI Descrip.	chlorophyll a/b-binding protein type II - Arabidopsis thaliana gi|541565|gb|AAA57542.1| (U03395) PSI type II chlorophyll a/b-binding protein [Arabidopsis thaliana]		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100357	Strand	-
Start	4886	End	9878
Name	OJ000114_26.0404.C15.o3.gs	Method	GENSCAN
Start	4886	End	9878
GI	none	Score	.84
Exons	4886..5411, 5786..5939, 6219..6467, 7521..7641, 8256..8561, 8819..9097, 9618..9878		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100357	Strand	-
Start	4886	End	9878
Name	OJ000114_26.0404.C15.o2.np	Method	AAT/NAP
Start	4889	End	8645
GI	7529266	Score	1535
Exons	4889..5411, 5786..5939, 6219..6467, 7521..7641, 8256..8645		
GI Descrip.	(AL138654) polygalacturonase-like protein [Arabidopsis thaliana]		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100357	Strand	-
Start	4886	End	9878
Name	OJ000114_26.0404.C15.o2.gp	Method	AAT/GAP
Start	8466	End	8878
GI	none	Score	768
Exons	8466..8878		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o1.ts	Method	TBLASTX:Soybean
Start	2405	End	3495
GI	none	Score	371
Exons	2405..2923, 2410..2934, 3367..3495, 3383..3490		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732

Name	OJ000114_26.0404.C15.o1.tw	Method	TBLASTX:Wheat
Start	2405	End	2736
GI	none	Score	288
Exons	2405..2725, 2413..2736		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o1.tc	Method	TBLASTX:Cress
Start	2410	End	3499
GI	none	Score	510
Exons	2410..2925, 2411..2935, 3367..3429, 3377..3427, 3425..3499, 3433..3498		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o2.tm	Method	TBLASTX:Maize
Start	2413	End	3418
GI	none	Score	235
Exons	2413..2922, 2413..2925, 2414..2926, 3367..3411, 3377..3418		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o3.tw	Method	TBLASTX:Wheat
Start	2740	End	3496
GI	none	Score	130
Exons	2740..2925, 2743..2919, 2759..2926, 3367..3471, 3377..3496		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o1.tm	Method	TBLASTX:Maize
Start	4886	End	8357
GI	none	Score	123
Exons	4886..5419, 4934..5146, 4962..5423, 4968..5423, 5774..5941, 5788..5940, 5809..5952, 6198..6320, 6220..6471, 6220..6432, 6354..6473, 7519..7641, 7520..7633, 8259..8357, 8263..8355, 8265..8357		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o3.ts	Method	TBLASTX:Soybean
Start	4886	End	5134
GI	none	Score	178
Exons	4886..5134, 4887..5132		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o2.tc	Method	TBLASTX:Cress
Start	4913	End	5164
GI	none	Score	191
Exons	4913..5164, 4914..5147		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o2.ts	Method	TBLASTX:Soybean
Start	5216	End	7659
GI	none	Score	169
Exons	5216..5413, 5217..5417, 5774..5941, 5782..5952, 5788..5940, 6220..6435, 6221..6436, 6223..6471, 6354..6455, 7519..7659, 7520..7633, 7525..7653		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o2.tw	Method	TBLASTX:Wheat
Start	6236	End	7641
GI	none	Score	255
Exons	6236..6436, 6236..6334, 6238..6468, 6238..6435, 6288..6461, 6362..6469, 7518..7640, 7519..7641, 7520..7633		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o6.np	Method	AAT/NAP
Start	11286	End	11732
GI	5922620	Score	173
Exons	11286..11417, 11624..11732		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47193	Seq. ID	OJ000114_26.0404.C15
Gene No.	100358	Strand	-
Start	11298	End	11732
Name	OJ000114_26.0404.C15.o4.gs	Method	GENSCAN
Start	11298	End	11537
GI	none	Score	.99
Exons	11298..11537		

Seq. No.	47194	Seq. ID	OJ000114_26.0404.C16
Gene No.	100359	Strand	+
Start	3602	End	5436
Name	OJ000114_26.0404.C16.o1.np	Method	AAT/NAP
Start	3052	End	5436
GI	7288022	Score	62
Exons	3052..3122, 4259..4383, 4539..4634, 5405..5436		
GI Descrip.	(AL138644) putative protein [Arabidopsis thaliana]		

Seq. No.	47194	Seq. ID	OJ000114_26.0404.C16
Gene No.	100359	Strand	+
Start	3602	End	5436
Name	OJ000114_26.0404.C16.o2.gs	Method	GENSCAN
Start	3602	End	4869
GI	none	Score	.82
Exons	3602..3782, 3869..4019, 4240..4430, 4577..4634, 4752..4869		

Seq. No.	47194	Seq. ID	OJ000114_26.0404.C16
Gene No.	100359	Strand	+
Start	3602	End	5436
Name	OJ000114_26.0404.C16.o1.gp	Method	AAT/GAP
Start	3678	End	4417
GI	none	Score	757
Exons	3678..3782, 3869..4019, 4240..4417		

Seq. No.	47195	Seq. ID	OJ000114_26.0404.C17
Gene No.	100360	Strand	+
Start	58	End	380
Name	OJ000114_26.0404.C17.o1.gs	Method	GENSCAN
Start	58	End	380
GI	none	Score	.58
Exons	58..380		

Seq. No.	47196	Seq. ID	OJ000114_26.0404.C18
Gene No.	100361	Strand	+
Start	354	End	540
Name	OJ000114_26.0404.C18.o1.gs	Method	GENSCAN
Start	354	End	540
GI	none	Score	.43
Exons	354..440, 473..540		

Seq. No.	47196	Seq. ID	OJ000114_26.0404.C18
Gene No.	100362	Strand	-
Start	1634	End	3092
Name	OJ000114_26.0404.C18.o2.gs	Method	GENSCAN
Start	1634	End	3092
GI	none	Score	.44
Exons	1634..1762, 2082..2219, 3009..3092		

Seq. No.	47196	Seq. ID	OJ000114_26.0404.C18
Gene No.	100362	Strand	-
Start	1634	End	3092
Name	OJ000114_26.0404.C18.o1.gp	Method	AAT/GAP
Start	2492	End	2567
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	2492..2567		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100363	Strand	+
Start	8411	End	10136
Name	OJ000114_26.0404.C19.o2.gs	Method	GENSCAN
Start	8411	End	9832
GI	none	Score	.52
Exons	8411..9832		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100363	Strand	+
Start	8411	End	10136
Name	OJ000114_26.0404.C19.o4.np	Method	AAT/NAP
Start	8516	End	10136
GI	7485634	Score	69

Exons	8516..8696, 8945..9176, 9573..9649, 9689..9814, 10025..10136		
GI Descrip.	hypothetical protein F17K2.23 - Arabidopsis thaliana gi|3386625|gb|AAC28555.1| (AC004665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o1.np	Method	AAT/NAP
Start	129	End	4496
GI	7340661	Score	999
Exons	129..188, 722..883, 993..1128, 1215..1414, 1500..1612, 1685..1832, 1905..2015, 2471..2723, 4385..4496		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o1.gs	Method	GENSCAN
Start	695	End	6692
GI	none	Score	.52
Exons	695..821, 931..1103, 1367..1529, 1736..1832, 1905..2015, 2471..2723, 3002..3127, 3231..3383, 3493..3602, 5986..6231, 6518..6692		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o1.ts	Method	TBLASTX:Soybean
Start	984	End	2729
GI	none	Score	62
Exons	984..1130, 1021..1104, 1214..1402, 1217..1411, 1487..1615, 1524..1610, 1685..1735, 1692..1736, 1738..1806, 1739..1807, 1744..1830, 1786..1833, 1901..2017, 1903..2016, 2449..2562, 2472..2561, 2502..2729, 2560..2718		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o1.tm	Method	TBLASTX:Maize
Start	987	End	2666
GI	none	Score	85
Exons	987..1133, 987..1130, 1217..1411, 1242..1352, 1523..1615, 1524..1613, 1682..1735, 1691..1732, 1738..1806, 1739..1795, 1786..1833, 1787..1837, 1901..2017, 1903..2016, 2458..2664, 2472..2666		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o1.tw	Method	TBLASTX:Wheat
Start	993	End	1567
GI	none	Score	63
Exons	993..1136, 1042..1113, 1196..1411, 1197..1412, 1511..1567		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-

Start	129	End	9680
Name	OJ000114_26.0404.C19.o1.tc	Method	TBLASTX:Cress
Start	999	End	2741
GI	none	Score	119
Exons	999..1103, 1217..1411, 1493..1633, 1682..1735, 1732..1800, 1786..1833, 1903..2016, 2472..2741, 2491..2727		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o1.gp	Method	AAT/GAP
Start	1798	End	3795
GI	16543_1.R1084	Score	1575
Exons	1798..1832, 1905..2015, 2471..2723, 2994..3127, 3231..3383, 3493..3795		
GI Descrip.	'4584546/emb|CAB40776.1| 3.0e-50 (AL049608) putative protein [Arabidopsis thaliana]'		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o2.tm	Method	TBLASTX:Maize
Start	2969	End	3754
GI	none	Score	115
Exons	2969..3058, 2972..3058, 3020..3148, 3059..3127, 3229..3384, 3231..3386, 3412..3573, 3467..3574, 3493..3597, 3623..3673, 3651..3713, 3704..3754		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o2.np	Method	AAT/NAP
Start	2991	End	3487
GI	1350620	Score	61
Exons	2991..3163, 3259..3487		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L18 gi|7440918|pir||S78260 ribosomal protein L18, chloroplast - Odontella sinensis chloroplast gi|1185150|emb|CAA91633.1| (Z67753) 50S ribosomal protein L18 [Odontella sinensis]		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o3.np	Method	AAT/NAP
Start	3577	End	9680
GI	6523547	Score	102
Exons	3577..3823, 5356..5380, 6058..6211, 6818..6864, 7823..7991, 8679..8824, 9640..9680		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	47197	Seq. ID	OJ000114_26.0404.C19
Gene No.	100364	Strand	-
Start	129	End	9680
Name	OJ000114_26.0404.C19.o2.gp	Method	AAT/GAP
Start	5880	End	6294
GI	2428698	Score	616

Exons	5880..5906, 5986..6294		
Seq. No.	47198	Seq. ID	OJ000114_26.0404.C22
Gene No.	100365	Strand	+
Start	1	End	58
Name	OJ000114_26.0404.C22.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	49865_1.RI084	Score	92
Exons	1..58		
GI Descrip.	'1848283 2.0e-47 (U87982) Sorghum bicolor aldehyde dehydrogenase (Dha1) mRNA, partial sequence'		
Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100366	Strand	+
Start	14629	End	24608
Name	OJ000114_26.0404.C25.o4.gs	Method	GENSCAN
Start	14629	End	24608
GI	none	Score	.66
Exons	14629..14910, 15011..15303, 16429..16564, 17225..17360, 17500..17576, 18122..18247, 21075..21204, 21509..21643, 21723..21985, 22302..22433, 23188..23340, 23853..23965, 24036..24189, 24336..24417, 24604..24608		
Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100366	Strand	+
Start	14629	End	24608
Name	OJ000114_26.0404.C25.o2.gp	Method	AAT/GAP
Start	20856	End	21579
GI	none	Score	895
Exons	20856..21204, 21335..21429, 21543..21579		
Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100366	Strand	+
Start	14629	End	24608
Name	OJ000114_26.0404.C25.o2.np	Method	AAT/NAP
Start	21460	End	24551
GI	3075393	Score	801
Exons	21460..21643, 21723..21985, 22302..22433, 22520..22628, 23210..23340, 23751..23965, 24036..24189, 24336..24551		
GI Descrip.	(AC004484) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100367	Strand	-
Start	2197	End	5404
Name	OJ000114_26.0404.C25.o2.gs	Method	GENSCAN
Start	2197	End	5404
GI	none	Score	.64
Exons	2197..2399, 3129..3270, 3515..3840, 5204..5282, 5399..5404		
Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100367	Strand	-
Start	2197	End	5404
Name	OJ000114_26.0404.C25.o1.gp	Method	AAT/GAP
Start	3641	End	3879
GI	2797225	Score	456
Exons	3641..3879		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100368	Strand	-
Start	7165	End	16684
Name	OJ000114_26.0404.C25.o3.gs	Method	GENSCAN
Start	7165	End	12701
GI	none	Score	.57
Exons	7165..7314, 7884..8015, 8096..8158, 9703..9858, 9920..9954, 10117..10190, 10711..11355, 11552..11701, 11760..11949, 12350..12466, 12572..12701		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100368	Strand	-
Start	7165	End	16684
Name	OJ000114_26.0404.C25.o1.np	Method	AAT/NAP
Start	9261	End	11928
GI	7106508	Score	90
Exons	9261..9327, 10866..10967, 11434..11573, 11721..11928		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100368	Strand	-
Start	7165	End	16684
Name	OJ000114_26.0404.C25.o2.tm	Method	TBLASTX:Maize
Start	10342	End	16684
GI	none	Score	71
Exons	10342..10494, 16132..16317, 16180..16302, 16318..16548, 16333..16548, 16358..16549, 16561..16671, 16562..16684		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100368	Strand	-
Start	7165	End	16684
Name	OJ000114_26.0404.C25.o1.tw	Method	TBLASTX:Wheat
Start	16204	End	16549
GI	none	Score	96
Exons	16204..16236, 16357..16545, 16358..16549		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100369	Strand	
Start	16819	End	17115
Name	OJ000114_26.0404.C25.o3.tm	Method	TBLASTX:Maize
Start	16819	End	17115
GI	none	Score	74
Exons	16819..17115, 16964..17110		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100370	Strand	
Start	21020	End	21988
Name	OJ000114_26.0404.C25.o1.ts	Method	TBLASTX:Soybean
Start	21020	End	21656
GI	none	Score	77
Exons	21020..21055, 21146..21208, 21147..21209, 21325..21426, 21333..21428, 21522..21641, 21540..21656, 21541..21654		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100370	Strand	
Start	21020	End	21988
Name	OJ000114_26.0404.C25.o1.tm	Method	TBLASTX:Maize

Start	21315	End	21988
GI	none	Score	155
Exons	21315..21428, 21334..21426, 21381..21431, 21531..21641, 21540..21647, 21541..21675, 21700..21984, 21722..21988		

Seq. No.	47199	Seq. ID	OJ000114_26.0404.C25
Gene No.	100371	Strand	
Start	23748	End	23942
Name	OJ000114_26.0404.C25.o2.ts	Method	TBLASTX:Soybean
Start	23748	End	23942
GI	none	Score	193
Exons	23748..23942, 23762..23908		

Seq. No.	47200	Seq. ID	OJ000204_21.0413.C2
Gene No.	100372	Strand	+
Start	253	End	813
Name	OJ000204_21.0413.C2.o1.np	Method	AAT/NAP
Start	253	End	811
GI	7485003	Score	236
Exons	253..344, 545..811		
GI Descrip.	heat shock transcription factor homolog T5C23.90 - Arabidopsis thaliana gi|4539457|emb|CAB39937.1| (AL049500) heat shock transcription factor-like protein [Arabidopsis thaliana] gi|7267866|emb|CAB78209.1| (AL161532) heat shock transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	47200	Seq. ID	OJ000204_21.0413.C2
Gene No.	100372	Strand	+
Start	253	End	813
Name	OJ000204_21.0413.C2.o1.gs	Method	GENSCAN
Start	544	End	810
GI	none	Score	.82
Exons	544..810		

Seq. No.	47200	Seq. ID	OJ000204_21.0413.C2
Gene No.	100372	Strand	+
Start	253	End	813
Name	OJ000204_21.0413.C2.o1.tw	Method	TBLASTX:Wheat
Start	630	End	810
GI	none	Score	250
Exons	630..809, 631..810		

Seq. No.	47200	Seq. ID	OJ000204_21.0413.C2
Gene No.	100372	Strand	+
Start	253	End	813
Name	OJ000204_21.0413.C2.o1.ts	Method	TBLASTX:Soybean
Start	630	End	810
GI	none	Score	239
Exons	630..809, 631..810		

Seq. No.	47200	Seq. ID	OJ000204_21.0413.C2
Gene No.	100372	Strand	+
Start	253	End	813
Name	OJ000204_21.0413.C2.o1.tm	Method	TBLASTX:Maize
Start	630	End	810
GI	none	Score	250
Exons	630..809, 631..810		

Seq. No.	47200	Seq. ID	OJ000204_21.0413.C2
Gene No.	100372	Strand	+
Start	253	End	813
Name	OJ000204_21.0413.C2.o1.tc	Method	TBLASTX:Cress
Start	630	End	813
GI	none	Score	236
Exons	630..812, 631..813		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100373	Strand	+
Start	717	End	1694
Name	OJ000204_21.0413.C3.o1.gs	Method	GENSCAN
Start	717	End	1694
GI	none	Score	.73
Exons	717..722, 1434..1694		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100374	Strand	+
Start	3844	End	5688
Name	OJ000204_21.0413.C3.o1.np	Method	AAT/NAP
Start	3844	End	5685
GI	5821136	Score	203
Exons	3844..3923, 5047..5685		
GI Descrip.	(AB014483) heat shock factor [Nicotiana tabacum]		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100374	Strand	+
Start	3844	End	5688
Name	OJ000204_21.0413.C3.o2.gs	Method	GENSCAN
Start	4894	End	5688
GI	none	Score	.64
Exons	4894..5688		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100375	Strand	+
Start	27174	End	30978
Name	OJ000204_21.0413.C3.o5.np	Method	AAT/NAP
Start	27174	End	30978
GI	6721547	Score	77
Exons	27174..27261, 30947..30978		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100376	Strand	+
Start	34078	End	38553
Name	OJ000204_21.0413.C3.o8.gs	Method	GENSCAN
Start	34078	End	37964
GI	none	Score	.49
Exons	34078..34093, 35077..35242, 35657..35831, 36021..36245, 37171..37357, 37664..37780, 37855..37964		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100376	Strand	+
Start	34078	End	38553
Name	OJ000204_21.0413.C3.o6.np	Method	AAT/NAP
Start	36755	End	38553

GI	6983857	Score	1341
Exons	36755..36872, 36936..37496, 37664..38553		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100377	Strand	+
Start	44025	End	44109
Name	OJ000204_21.0413.C3.o7.np	Method	AAT/NAP
Start	44025	End	44109
GI	6721547	Score	90
Exons	44025..44109		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100378	Strand	-
Start	6148	End	24293
Name	OJ000204_21.0413.C3.o3.gs	Method	GENSCAN
Start	6148	End	15488
GI	none	Score	.64
Exons	6148..6303, 6739..6806, 7567..8217, 8438..8599, 8813..9094, 9651..9771, 9949..10001, 10244..11132, 11327..11459, 12226..12344, 12538..12698, 12894..13012, 13094..13254, 13342..13462, 13718..13849, 14072..14174, 14263..14536, 14613..14756, 15123..15488		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100378	Strand	-
Start	6148	End	24293
Name	OJ000204_21.0413.C3.o4.np	Method	AAT/NAP
Start	14973	End	19302
GI	7106515	Score	5227
Exons	14973..16668, 16750..17085, 17356..17463, 17509..18004, 18094..19302		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100378	Strand	-
Start	6148	End	24293
Name	OJ000204_21.0413.C3.o4.gs	Method	GENSCAN
Start	15687	End	17084
GI	none	Score	.65
Exons	15687..16716, 16915..17084		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100378	Strand	-
Start	6148	End	24293
Name	OJ000204_21.0413.C3.o5.gs	Method	GENSCAN
Start	17211	End	24293
GI	none	Score	.65
Exons	17211..18016, 18094..18350, 18380..18653, 18786..19484, 19561..19623, 19703..19816, 19923..20144, 20228..20433, 20716..21106, 21607..21721, 21737..21760, 21803..21850, 22357..22446, 24147..24206, 24243..24293		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3

Gene No.	100379	Strand	-
Start	28027	End	32405
Name	OJ000204_21.0413.C3.o7.gs	Method	GENSCAN
Start	28027	End	32405
GI	none	Score	.65
Exons	28027..28485, 28614..28955, 29357..29510, 29820..29938, 30476..30582, 30725..30803, 30935..31276, 31420..31572, 31674..31992, 32182..32405		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o3.ts	Method	TBLASTX:Soybean
Start	5055	End	5412
GI	none	Score	143
Exons	5055..5186, 5056..5193, 5296..5412, 5305..5409		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o5.tw	Method	TBLASTX:Wheat
Start	5286	End	5469
GI	none	Score	61
Exons	5286..5339, 5292..5333, 5296..5469, 5305..5463		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o10.tm	Method	TBLASTX:Maize
Start	6151	End	6441
GI	none	Score	93
Exons	6151..6249, 6254..6397, 6259..6441, 6269..6403		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o4.tw	Method	TBLASTX:Wheat
Start	6518	End	6888
GI	none	Score	130
Exons	6518..6775, 6520..6645, 6582..6800, 6697..6888		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o7.tm	Method	TBLASTX:Maize
Start	6613	End	7084
GI	none	Score	66
Exons	6613..6645, 6617..6694, 6712..7083, 6716..7084		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o7.tw	Method	TBLASTX:Wheat
Start	6982	End	7531
GI	none	Score	131
Exons	6982..7098, 7126..7164, 7159..7239, 7221..7367, 7235..7531		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o2.ts	Method	TBLASTX:Soybean
Start	7227	End	7681
GI	none	Score	207
Exons	7227..7340, 7361..7681		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o1.tm	Method	TBLASTX:Maize
Start	7286	End	8225
GI	none	Score	134
Exons	7286..8224, 7406..7765, 7629..8225		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o8.tw	Method	TBLASTX:Wheat
Start	7538	End	7885
GI	none	Score	59
Exons	7538..7618, 7610..7762, 7772..7885, 7779..7883		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o2.tw	Method	TBLASTX:Wheat
Start	7886	End	8194
GI	none	Score	196
Exons	7886..8194, 7923..8162, 7976..8194		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o13.tm	Method	TBLASTX:Maize
Start	8406	End	9150
GI	none	Score	46
Exons	8406..8465, 8442..8633, 8607..9077, 9112..9150		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o1.tw	Method	TBLASTX:Wheat
Start	8526	End	8939
GI	none	Score	112
Exons	8526..8939, 8527..8844		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o3.tw	Method	TBLASTX:Wheat
Start	9146	End	9502
GI	none	Score	89
Exons	9146..9331, 9151..9375, 9376..9501, 9377..9502		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3

Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o9.tm	Method	TBLASTX:Maize
Start	12769	End	13764
GI	none	Score	74
Exons	12769..12885, 12773..12889, 12893..13015, 12895..13014, 13093..13233, 13216..13266, 13342..13392, 13553..13630, 13561..13638, 13729..13764, 13729..13764		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o4.ts	Method	TBLASTX:Soybean
Start	15141	End	15323
GI	none	Score	99
Exons	15141..15323, 15142..15321, 15183..15323		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o12.tm	Method	TBLASTX:Maize
Start	15249	End	15569
GI	none	Score	48
Exons	15249..15323, 15250..15327, 15342..15569, 15436..15567		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o2.tc	Method	TBLASTX:Cress
Start	15315	End	15572
GI	none	Score	188
Exons	15315..15572		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o5.tm	Method	TBLASTX:Maize
Start	15784	End	16244
GI	none	Score	35
Exons	15784..15843, 15876..16244, 15894..16001, 15985..16113, 16180..16227		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o8.tm	Method	TBLASTX:Maize
Start	16389	End	16844
GI	none	Score	57
Exons	16389..16604, 16635..16787, 16776..16844		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o6.tm	Method	TBLASTX:Maize
Start	17952	End	18394
GI	none	Score	48
Exons	17952..18017, 17956..18009, 18095..18217, 18096..18212,		

18104..18217, 18213..18347, 18215..18394, 18218..18385

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o6.tw	Method	TBLASTX:Wheat
Start	18114	End	18385
GI	none	Score	72
Exons	18114..18230, 18204..18380, 18230..18385		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o2.tm	Method	TBLASTX:Maize
Start	18394	End	19158
GI	none	Score	70
Exons	18394..18558, 18643..19092, 18644..18730, 18796..19005, 19108..19158		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o5.ts	Method	TBLASTX:Soybean
Start	29447	End	30571
GI	none	Score	107
Exons	29447..29530, 29795..29941, 29814..29933, 30476..30571, 30480..30566		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o4.tm	Method	TBLASTX:Maize
Start	29629	End	31159
GI	none	Score	34
Exons	29629..29697, 29740..29781, 29750..29785, 29780..29941, 29781..29939, 30472..30582, 30473..30583, 30474..30584, 30475..30585, 30723..30806, 30725..30811, 30726..30803, 30927..30971, 30932..31156, 30933..31142, 30998..31159		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o11.tm	Method	TBLASTX:Maize
Start	31178	End	31578
GI	none	Score	91
Exons	31178..31279, 31214..31282, 31408..31578, 31415..31573, 31420..31578		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o3.tm	Method	TBLASTX:Maize
Start	31713	End	41835
GI	none	Score	72
Exons	31713..31787, 31713..31994, 31834..31995, 31855..31995, 31961..31999, 32180..32284, 32181..32303, 32182..32304, 32293..32355, 41653..41835		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o1.ts	Method	TBLASTX:Soybean
Start	31764	End	32279
GI	none	Score	158
Exons	31764..31994, 31834..31992, 32181..32279, 32185..32277		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o1.tc	Method	TBLASTX:Cress
Start	31809	End	32277
GI	none	Score	130
Exons	31809..31994, 31834..31995, 32178..32276, 32188..32277		

Seq. No.	47201	Seq. ID	OJ000204_21.0413.C3
Gene No.	100380	Strand	-
Start	39356	End	41868
Name	OJ000204_21.0413.C3.o9.gs	Method	GENSCAN
Start	39356	End	41868
GI	none	Score	.68
Exons	39356..39460, 40242..40374, 40396..40461, 40480..40748, 41017..41151, 41184..41363, 41445..41472, 41591..41868		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100381	Strand	+
Start	3774	End	8091
Name	OJ000204_21.0413.C4.o1.np	Method	AAT/NAP
Start	3774	End	8091
GI	7340881	Score	545
Exons	3774..3861, 4008..4131, 4224..4312, 4378..4675, 6051..6157, 6264..6367, 7490..7590, 7835..8091		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100382	Strand	+
Start	16106	End	17933
Name	OJ000204_21.0413.C4.o2.np	Method	AAT/NAP
Start	16106	End	17933
GI	6907086	Score	1221
Exons	16106..16888, 16949..17124, 17362..17492, 17589..17933		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100383	Strand	+
Start	21115	End	22568
Name	OJ000204_21.0413.C4.o3.np	Method	AAT/NAP
Start	21115	End	22568
GI	113679	Score	1622
Exons	21115..21213, 21340..21472, 21882..22568		
GI Descrip.	ALPHA-AMYLASE ISOZYME 3A PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) gi|100657|pir||S14958 alpha-amylase (EC 3.2.1.1) - rice gi|20335|emb|CAA39776.1| (X56336) alpha-amylase [Oryza sativa]		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100384	Strand	-
Start	12413	End	13219
Name	OJ000204_21.0413.C4.o3.gs	Method	GENSCAN
Start	12413	End	13219
GI	none	Score	.74
Exons	12413..12523, 12873..12977, 13148..13219		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100385	Strand	-
Start	14191	End	14703
Name	OJ000204_21.0413.C4.o1.gp	Method	AAT/GAP
Start	14191	End	14703
GI	38782_1.R1084	Score	814
Exons	14191..14703		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100386	Strand	
Start	21115	End	22567
Name	OJ000204_21.0413.C4.o1.tm	Method	TBLASTX:Maize
Start	21115	End	22567
GI	none	Score	59
Exons	21115..21213, 21328..21501, 21339..21476, 21874..21957, 21880..22053, 21881..22567, 22079..22102, 22096..22566		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100386	Strand	
Start	21115	End	22567
Name	OJ000204_21.0413.C4.o1.ts	Method	TBLASTX:Soybean
Start	21328	End	22566
GI	none	Score	53
Exons	21328..21387, 21364..21474, 21369..21473, 21877..22359, 21881..22369, 22382..22546, 22387..22566, 22391..22564		

Seq. No.	47202	Seq. ID	OJ000204_21.0413.C4
Gene No.	100386	Strand	
Start	21115	End	22567
Name	OJ000204_21.0413.C4.o1.tc	Method	TBLASTX:Cress
Start	21376	End	22471
GI	none	Score	99
Exons	21376..21501, 21917..22060, 22115..22378, 22243..22377, 22391..22471, 22396..22470		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100387	Strand	+
Start	1	End	4755
Name	OJ000204_21.0413.C5.o1.np	Method	AAT/NAP
Start	1	End	306
GI	113679	Score	474
Exons	1..306		
GI Descrip.	ALPHA-AMYLASE ISOZYME 3A PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) gi|100657|pir||S14958 alpha-amylase (EC 3.2.1.1) - rice gi|20335|emb|CAA39776.1| (X56336) alpha-amylase [Oryza sativa]		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100387	Strand	+
Start	1	End	4755
Name	OJ000204_21.0413.C5.o1.gs	Method	GENSCAN
Start	58	End	4755
GI	none	Score	.6
Exons	58..298, 1951..2031, 2961..3304, 3708..3944, 4020..4172, 4186..4755		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100388	Strand	+
Start	5423	End	6914
Name	OJ000204_21.0413.C5.o2.gs	Method	GENSCAN
Start	5423	End	6914
GI	none	Score	.91
Exons	5423..5515, 5592..6530, 6630..6914		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100389	Strand	+
Start	12575	End	14097
Name	OJ000204_21.0413.C5.o3.np	Method	AAT/NAP
Start	12575	End	14097
GI	113681	Score	2326
Exons	12575..12667, 12790..13728, 13819..14097		
GI Descrip.	ALPHA-AMYLASE ISOZYME 3C PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) gi|100655|pir||S14956 alpha-amylase (EC 3.2.1.1) - rice gi|20339|emb|CAA39778.1| (X56338) alpha-amylase [Oryza sativa]		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100390	Strand	+
Start	15428	End	16194
Name	OJ000204_21.0413.C5.o4.np	Method	AAT/NAP
Start	15428	End	16194
GI	7485319	Score	295
Exons	15428..16194		
GI Descrip.	hypothetical protein F10M10.180 - Arabidopsis thaliana gi|4455186|emb|CAB36718.1| (AL035521) putative protein [Arabidopsis thaliana] gi|7270391|emb|CAB80158.1| (AL161585) putative protein [Arabidopsis thaliana]		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100391	Strand	+
Start	18345	End	21779
Name	OJ000204_21.0413.C5.o5.np	Method	AAT/NAP
Start	18345	End	21779
GI	7485652	Score	889
Exons	18345..18420, 19796..19896, 19965..21664, 21710..21779		
GI Descrip.	hypothetical protein F17M5.150 - Arabidopsis thaliana gi|4490306|emb|CAB38797.1| (AL035678) putative protein [Arabidopsis thaliana] gi|7270287|emb|CAB80056.1| (AL161583) putative protein [Arabidopsis thaliana]		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100392	Strand	+
Start	30376	End	37306
Name	OJ000204_21.0413.C5.o7.gs	Method	GENSCAN

Start	30376	End	37306
GI	none	Score	.78
Exons	30376..30445, 30530..31073, 31171..31640, 31729..31864, 32483..32554, 33948..34218, 34275..34391, 36866..37306		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100393	Strand	-
Start	3299	End	4607
Name	OJ000204_21.0413.C5.o2.np	Method	AAT/NAP
Start	3299	End	4607
GI	5777617	Score	89
Exons	3299..3459, 4573..4607		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100394	Strand	-
Start	15342	End	15718
Name	OJ000204_21.0413.C5.o1.gp	Method	AAT/GAP
Start	15342	End	15718
GI	5038940	Score	741
Exons	15342..15718		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100395	Strand	-
Start	24882	End	27611
Name	OJ000204_21.0413.C5.o4.gs	Method	GENSCAN
Start	24882	End	26912
GI	none	Score	.94
Exons	24882..26350, 26428..26563, 26769..26869, 26906..26912		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100395	Strand	-
Start	24882	End	27611
Name	OJ000204_21.0413.C5.o6.np	Method	AAT/NAP
Start	24882	End	27611
GI	7453579	Score	1020
Exons	24882..26306, 27366..27436, 27516..27611		
GI Descrip.	(AF223643) xyloglucan fucosyltransferase [Pisum sativum]		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o1.tm	Method	TBLASTX:Maize
Start	25	End	14282
GI	none	Score	369
Exons	25..288, 48..290, 5447..5515, 5582..6529, 5592..6575, 6616..6903, 6630..6908, 6632..6910, 6925..6963, 6972..6995, 12605..12667, 12778..13728, 12788..12841, 12789..13727, 13456..13764, 13818..14099, 13819..14118, 13819..14100, 13821..14105, 14105..14149, 14199..14243, 14199..14282, 14200..14247		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o1.ts	Method	TBLASTX:Soybean
Start	25	End	14061

GI	none	Score	260
Exons	25..267, 96..266, 5591..5629, 5592..5624, 5616..6212, 5621..6193, 6234..6530, 6239..6529, 6629..6850, 6630..6872, 12778..12822, 12789..12827, 12814..13410, 12819..13391, 13432..13728, 13437..13727, 13818..14060, 13819..14061		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o4.tc	Method	TBLASTX:Cress
Start	61	End	13983
GI	none	Score	86
Exons	61..192, 6330..6503, 6345..6530, 6362..6523, 6666..6794, 13540..13701, 13543..13728, 13560..13721, 13855..13983		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o1.tc	Method	TBLASTX:Cress
Start	5628	End	13512
GI	none	Score	138
Exons	5628..5762, 5630..5734, 5753..5854, 5760..5903, 5958..6221, 6231..6314, 12826..12960, 12958..13101, 13156..13419, 13429..13512		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o2.tw	Method	TBLASTX:Wheat
Start	15478	End	15865
GI	none	Score	180
Exons	15478..15639, 15479..15649, 15774..15836, 15775..15852, 15790..15852, 15794..15865		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o7.ts	Method	TBLASTX:Soybean
Start	15790	End	16039
GI	none	Score	196
Exons	15790..15852, 15794..16039		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o8.tm	Method	TBLASTX:Maize
Start	15790	End	15988
GI	none	Score	195
Exons	15790..15852, 15794..15988		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o5.tm	Method	TBLASTX:Maize
Start	19812	End	20232
GI	none	Score	137
Exons	19812..19895, 19813..19896, 19819..19896, 19981..20082,		

19982..20221, 19984..20232

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o6.ts	Method	TBLASTX:Soybean
Start	19983	End	20256
GI	none	Score	212
Exons	19983..20033, 19984..20256, 20146..20220		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o2.tm	Method	TBLASTX:Maize
Start	20704	End	21275
GI	none	Score	166
Exons	20704..20910, 20737..20916, 20756..20923, 20757..20924, 20927..21052, 20940..21275, 20942..21061, 21042..21170, 21137..21211		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o3.tc	Method	TBLASTX:Cress
Start	24891	End	25181
GI	none	Score	94
Exons	24891..25037, 24901..25017, 25047..25181, 25048..25179		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o7.tm	Method	TBLASTX:Maize
Start	24891	End	25178
GI	none	Score	84
Exons	24891..25034, 24901..25035, 25032..25178		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o1.tw	Method	TBLASTX:Wheat
Start	24919	End	25292
GI	none	Score	149
Exons	24919..25188, 24921..25187, 25060..25188, 25194..25292		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o2.ts	Method	TBLASTX:Soybean
Start	25026	End	26006
GI	none	Score	75
Exons	25026..25187, 25185..25289, 25314..25649, 25497..25625, 25519..25650, 25653..25781, 25902..26006		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o2.tc	Method	TBLASTX:Cress

Start	25377	End	25727
GI	none	Score	96
Exons	25377..25727, 25516..25704		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o3.tm	Method	TBLASTX:Maize
Start	25450	End	25883
GI	none	Score	109
Exons	25450..25656, 25458..25883, 25467..25697		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o5.tc	Method	TBLASTX:Cress
Start	25947	End	26321
GI	none	Score	82
Exons	25947..26039, 26046..26096, 26121..26243, 26125..26241, 26232..26321, 26245..26307		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o5.ts	Method	TBLASTX:Soybean
Start	26088	End	26312
GI	none	Score	104
Exons	26088..26312, 26146..26307		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100396	Strand	-
Start	29029	End	29999
Name	OJ000204_21.0413.C5.o6.gs	Method	GENSCAN
Start	29029	End	29999
GI	none	Score	.64
Exons	29029..29551, 29776..29999		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100397	Strand	
Start	30532	End	30789
Name	OJ000204_21.0413.C5.o4.ts	Method	TBLASTX:Soybean
Start	30532	End	30789
GI	none	Score	260
Exons	30532..30789, 30543..30773		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100398	Strand	
Start	31258	End	31527
Name	OJ000204_21.0413.C5.o6.tm	Method	TBLASTX:Maize
Start	31258	End	31527
GI	none	Score	84
Exons	31258..31305, 31259..31336, 31319..31525, 31387..31527		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100399	Strand	
Start	31499	End	31829
Name	OJ000204_21.0413.C5.o3.ts	Method	TBLASTX:Soybean

Start	31499	End	31829
GI	none	Score	158
Exons	31499..31621, 31507..31620, 31724..31828, 31728..31829		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100400	Strand	
Start	31737	End	32672
Name	OJ000204_21.0413.C5.o6.tc	Method	TBLASTX:Cress
Start	31737	End	32397
GI	none	Score	145
Exons	31737..31877, 31756..31878, 31757..31873, 31975..32064, 32167..32235, 32325..32396, 32326..32397		

Seq. No.	47203	Seq. ID	OJ000204_21.0413.C5
Gene No.	100400	Strand	
Start	31737	End	32672
Name	OJ000204_21.0413.C5.o4.tm	Method	TBLASTX:Maize
Start	31741	End	32672
GI	none	Score	106
Exons	31741..31845, 31742..31864, 31751..31855, 31752..31877, 31965..32066, 31966..32043, 31971..32060, 32163..32234, 32166..32216, 32167..32235, 32325..32414, 32326..32397, 32330..32398, 32462..32536, 32463..32537, 32483..32542, 32641..32670, 32643..32672, 32648..32671		

Seq. No.	47204	Seq. ID	OJ000204_21.0413.C9
Gene No.	100401	Strand	+
Start	238	End	671
Name	OJ000204_21.0413.C9.o1.gp	Method	AAT/GAP
Start	238	End	671
GI	none	Score	694
Exons	238..671		

Seq. No.	47204	Seq. ID	OJ000204_21.0413.C9
Gene No.	100402	Strand	-
Start	187	End	381
Name	OJ000204_21.0413.C9.o1.gs	Method	GENSCAN
Start	187	End	381
GI	none	Score	.66
Exons	187..381		

Seq. No.	47205	Seq. ID	OJ000204_21.0413.C17
Gene No.	100403	Strand	-
Start	1	End	288
Name	OJ000204_21.0413.C17.o1.np	Method	AAT/NAP
Start	1	End	288
GI	7430950	Score	87
Exons	1..288		
GI Descrip.	cinnamyl-alcohol dehydrogenase (EC 1.1.1.195) ELI3 - common ice plant gi|1724110|gb|AAB38503.1| (U79770) cinnamyl-alcohol dehydrogenase Eli3 [Mesembryanthemum crystallinum]		

Seq. No.	47205	Seq. ID	OJ000204_21.0413.C17
Gene No.	100403	Strand	-
Start	1	End	288
Name	OJ000204_21.0413.C17.o1.gp	Method	AAT/GAP
Start	176	End	288

GI	286426	Score	154
Exons	176..288		

Seq. No.	47205	Seq. ID	OJ000204_21.0413.C17
Gene No.	100403	Strand	-
Start	1	End	288
Name	OJ000204_21.0413.C17.o1.gs	Method	GENSCAN
Start	176	End	288
GI	none	Score	.94
Exons	176..288		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100404	Strand	+
Start	3772	End	8988
Name	OJ000314_28.0405.C6.o2.gs	Method	GENSCAN
Start	3772	End	6619
GI	none	Score	.45
Exons	3772..3991, 4256..4545, 6548..6619		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100404	Strand	+
Start	3772	End	8988
Name	OJ000314_28.0405.C6.o1.np	Method	AAT/NAP
Start	4279	End	8605
GI	6942045	Score	2497
Exons	4279..4344, 4381..4562, 7000..8605		
GI Descrip.	(AF216525) FKF1-like protein 2 [Arabidopsis thaliana]		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100404	Strand	+
Start	3772	End	8988
Name	OJ000314_28.0405.C6.o1.gp	Method	AAT/GAP
Start	4424	End	7571
GI	30775_1.R1084	Score	1374
Exons	4424..4562, 7000..7571		
GI Descrip.	'3004565 7.0e-75 (AC003673) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100404	Strand	+
Start	3772	End	8988
Name	OJ000314_28.0405.C6.o2.gp	Method	AAT/GAP
Start	8295	End	8988
GI	23604_1.R1084	Score	1100
Exons	8295..8609, 8700..8988		
GI Descrip.	'3004565 3.0e-37 (AC003673) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100405	Strand	+
Start	11002	End	11868
Name	OJ000314_28.0405.C6.o4.gs	Method	GENSCAN
Start	11002	End	11868
GI	none	Score	.99
Exons	11002..11868		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6

Gene No.	100406	Strand	+
Start	13082	End	13280
Name	OJ000314_28.0405.C6.o3.gp	Method	AAT/GAP
Start	13082	End	13280
GI	1854123	Score	386
Exons	13082..13280		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100407	Strand	+
Start	13894	End	14278
Name	OJ000314_28.0405.C6.o4.gp	Method	AAT/GAP
Start	13894	End	14278
GI	none	Score	679
Exons	13894..14278		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100408	Strand	-
Start	561	End	1067
Name	OJ000314_28.0405.C6.o1.gs	Method	GENSCAN
Start	561	End	1067
GI	none	Score	.62
Exons	561..1067		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100409	Strand	-
Start	7213	End	11861
Name	OJ000314_28.0405.C6.o3.gs	Method	GENSCAN
Start	7213	End	10652
GI	none	Score	.7
Exons	7213..7467, 7597..7698, 7930..8084, 8103..8148, 8352..8429, 8446..8533, 9520..9758, 9813..10652		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100409	Strand	-
Start	7213	End	11861
Name	OJ000314_28.0405.C6.o2.np	Method	AAT/NAP
Start	8170	End	11861
GI	3776559	Score	307
Exons	8170..8206, 9658..10601, 11714..11861		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o1.tm	Method	TBLASTX:Maize
Start	4213	End	7726
GI	none	Score	49
Exons	4213..4263, 4279..4302, 4399..4560, 4403..4438, 4404..4562, 4429..4560, 6996..7724, 6998..7726, 7001..7726		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o2.ts	Method	TBLASTX:Soybean

Start	4446	End	7543
GI	none	Score	135
Exons	4446..4562, 4447..4560, 7000..7173, 7001..7273, 7004..7243, 7326..7520, 7352..7543, 7364..7519, 7381..7542		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o3.tc	Method	TBLASTX:Cress
Start	7199	End	7575
GI	none	Score	82
Exons	7199..7273, 7216..7272, 7333..7575, 7334..7573, 7369..7575		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o1.tw	Method	TBLASTX:Wheat
Start	7423	End	7612
GI	none	Score	207
Exons	7423..7611, 7436..7612, 7442..7612		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o1.ts	Method	TBLASTX:Soybean
Start	7616	End	8608
GI	none	Score	151
Exons	7616..7888, 7634..7807, 7645..7881, 7723..8277, 7724..8278, 7724..8596, 7799..7867, 7889..7960, 7943..8122, 7955..8071, 8102..8182, 8128..8184, 8213..8269, 8324..8608, 8333..8479		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o1.tc	Method	TBLASTX:Cress
Start	7688	End	8616
GI	none	Score	84
Exons	7688..7867, 8324..8596, 8335..8616		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o2.tm	Method	TBLASTX:Maize
Start	7726	End	8593
GI	none	Score	885
Exons	7726..8235, 7727..8236, 7730..8236, 7960..8223, 7964..8203, 8216..8275, 8333..8479, 8354..8479, 8474..8593		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o4.tc	Method	TBLASTX:Cress
Start	9654	End	10229
GI	none	Score	94
Exons	9654..9743, 9828..10124, 10119..10229		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6

Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o5.tm	Method	TBLASTX:Maize
Start	9654	End	10367
GI	none	Score	73
Exons	9654..9752, 9825..10058, 9826..10026, 10047..10229, 10350..10367		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o4.ts	Method	TBLASTX:Soybean
Start	9654	End	10229
GI	none	Score	63
Exons	9654..9752, 9732..9836, 9825..10025, 9846..9926, 9925..10026, 10047..10229, 10048..10185		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o2.tw	Method	TBLASTX:Wheat
Start	9873	End	10211
GI	none	Score	67
Exons	9873..10025, 10041..10211, 10075..10152		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o5.gs	Method	GENSCAN
Start	12205	End	14967
GI	none	Score	.81
Exons	12205..12405, 14305..14967		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o3.np	Method	AAT/NAP
Start	14050	End	15378
GI	7486671	Score	657
Exons	14050..14882, 15354..15378		
GI Descrip.	hypothetical protein F8F16.230 - Arabidopsis thaliana gi|2827536|emb|CAA16544.1| (AL021633) hypothetical protein [Arabidopsis thaliana] gi|7270044|emb|CAB79859.1| (AL161579) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o4.tm	Method	TBLASTX:Maize
Start	14284	End	14573
GI	none	Score	319
Exons	14284..14571, 14285..14572, 14286..14573		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o2.tc	Method	TBLASTX:Cress
Start	14353	End	14878

GI	none	Score	79
Exons	14353..14643, 14720..14878, 14737..14877		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o3.ts	Method	TBLASTX:Soybean
Start	14446	End	14908
GI	none	Score	104
Exons	14446..14646, 14462..14665, 14737..14901, 14756..14908		

Seq. No.	47206	Seq. ID	OJ000314_28.0405.C6
Gene No.	100410	Strand	-
Start	12205	End	15378
Name	OJ000314_28.0405.C6.o3.tm	Method	TBLASTX:Maize
Start	14580	End	14974
GI	none	Score	111
Exons	14580..14657, 14582..14686, 14584..14682, 14653..14973, 14681..14974		

Seq. No.	47207	Seq. ID	OJ000314_28.0405.C7
Gene No.	100411	Strand	+
Start	362	End	917
Name	OJ000314_28.0405.C7.o1.gs	Method	GENSCAN
Start	362	End	917
GI	none	Score	.64
Exons	362..433, 822..917		

Seq. No.	47207	Seq. ID	OJ000314_28.0405.C7
Gene No.	100412	Strand	-
Start	1566	End	2937
Name	OJ000314_28.0405.C7.o2.gs	Method	GENSCAN
Start	1566	End	2400
GI	none	Score	.91
Exons	1566..1722, 1873..2083, 2200..2270, 2333..2400		

Seq. No.	47207	Seq. ID	OJ000314_28.0405.C7
Gene No.	100412	Strand	-
Start	1566	End	2937
Name	OJ000314_28.0405.C7.o1.np	Method	AAT/NAP
Start	1569	End	2937
GI	4337207	Score	96
Exons	1569..1771, 2916..2937		
GI Descrip.	(AC006403) putative C2H2-type zinc finger protein [Arabidopsis thaliana] gi|4585205|gb|AAD25324.1|AF095588_1 (AF095588) C2H2 zinc finger protein FZF [Arabidopsis thaliana]		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100413	Strand	+
Start	7798	End	11131
Name	OJ000314_28.0405.C8.o2.gs	Method	GENSCAN
Start	7798	End	11131
GI	none	Score	.88
Exons	7798..7920, 8004..8135, 8228..8325, 8547..8624, 9745..9823, 10677..10780, 11047..11131		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8

Gene No.	100414	Strand	+
Start	17406	End	23114
Name	OJ000314_28.0405.C8.o4.gs	Method	GENSCAN
Start	17406	End	23114
GI	none	Score	.67
Exons	17406..17462, 17949..18061, 18809..21908, 22035..23114		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100414	Strand	+
Start	17406	End	23114
Name	OJ000314_28.0405.C8.o3.gp	Method	AAT/GAP
Start	18437	End	18731
GI	426253	Score	514
Exons	18437..18731		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100414	Strand	+
Start	17406	End	23114
Name	OJ000314_28.0405.C8.o2.np	Method	AAT/NAP
Start	19308	End	23111
GI	6630696	Score	6629
Exons	19308..23111		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100414	Strand	+
Start	17406	End	23114
Name	OJ000314_28.0405.C8.o4.gp	Method	AAT/GAP
Start	19350	End	20240
GI	101595_1.R1084	Score	1467
Exons	19350..20050, 20166..20240		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100415	Strand	-
Start	731	End	5413
Name	OJ000314_28.0405.C8.o1.gs	Method	GENSCAN
Start	731	End	5413
GI	none	Score	.92
Exons	731..890, 1008..1223, 1759..1928, 2021..2569, 3442..3817, 5385..5413		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100415	Strand	-
Start	731	End	5413
Name	OJ000314_28.0405.C8.o1.np	Method	AAT/NAP
Start	734	End	3546
GI	4337207	Score	1017
Exons	734..890, 1008..1223, 1759..1928, 2021..2569, 3442..3546		
GI Descrip.	(AC006403) putative C2H2-type zinc finger protein [Arabidopsis thaliana] gi|4585205|gb|AAD25324.1|AF095588_1 (AF095588) C2H2 zinc finger protein FZF [Arabidopsis thaliana]		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8

Gene No.	100415	Strand	-
Start	731	End	5413
Name	OJ000314_28.0405.C8.o1.gp	Method	AAT/GAP
Start	1759	End	2221
GI	uC-osflm202109e01b1	Score	638
Exons	1759..1928, 2021..2221		
GI Descrip.	'2827537/emb|CAA16545.1| 3.0e-49 (AL021633) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100415	Strand	-
Start	731	End	5413
Name	OJ000314_28.0405.C8.o2.gp	Method	AAT/GAP
Start	2298	End	3702
GI	47079_1.R1084	Score	1005
Exons	2298..2569, 3442..3702		
GI Descrip.	'2827537/emb|CAA16545.1| 7.0e-36 (AL021633) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o2.tm	Method	TBLASTX:Maize
Start	715	End	1833
GI	none	Score	193
Exons	715..891, 719..907, 720..872, 731..892, 1005..1172, 1006..1173, 1010..1195, 1010..1186, 1057..1194, 1193..1225, 1756..1833		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o2.ts	Method	TBLASTX:Soybean
Start	728	End	2194
GI	none	Score	119
Exons	728..889, 729..860, 731..889, 771..893, 772..891, 1043..1225, 1044..1106, 1760..1777, 1824..1934, 1840..1929, 2000..2194, 2001..2165, 2021..2194		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o2.tc	Method	TBLASTX:Cress
Start	1756	End	2129
GI	none	Score	46
Exons	1756..1929, 1757..1792, 1833..1934, 1840..1929, 2000..2128, 2001..2129		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o1.tm	Method	TBLASTX:Maize
Start	1836	End	3692
GI	none	Score	130
Exons	1836..1934, 1837..1929, 1841..1945, 2000..2242, 2018..2242, 2234..2506, 2247..2531, 2306..2572, 2307..2570, 2308..2571, 3439..3546, 3505..3546, 3591..3692		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o6.tw	Method	TBLASTX:Wheat
Start	2064	End	2354
GI	none	Score	146
Exons	2064..2165, 2066..2203, 2066..2215, 2159..2233, 2183..2254, 2210..2269, 2220..2282, 2306..2350, 2307..2354		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o8.ts	Method	TBLASTX:Soybean
Start	2312	End	3546
GI	none	Score	71
Exons	2312..2353, 2384..2509, 2387..2488, 2409..2501, 2498..2572, 2511..2570, 2518..2571, 3439..3546		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o3.gs	Method	GENSCAN
Start	14778	End	16822
GI	none	Score	.82
Exons	14778..14960, 15289..15438, 15527..15662, 15748..15827, 16091..16251, 16354..16822		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o10.tm	Method	TBLASTX:Maize
Start	14904	End	15441
GI	none	Score	66
Exons	14904..14963, 15274..15441, 15352..15432		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o4.ts	Method	TBLASTX:Soybean
Start	15343	End	15831
GI	none	Score	57
Exons	15343..15453, 15389..15454, 15522..15659, 15527..15658, 15747..15830, 15748..15831		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o7.tm	Method	TBLASTX:Maize
Start	15545	End	16238
GI	none	Score	168
Exons	15545..15661, 15549..15662, 15549..15665, 15631..15663, 15735..15830, 15745..15831, 15747..15830, 16002..16208, 16020..16238, 16076..16237		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822

Name	OJ000314_28.0405.C8.o3.tc	Method	TBLASTX:Cress
Start	15554	End	16225
GI	none	Score	118
Exons	15554..15658, 15555..15662, 15745..15828, 15747..15833, 16076..16225		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o1.ts	Method	TBLASTX:Soybean
Start	16074	End	16603
GI	none	Score	95
Exons	16074..16250, 16076..16249, 16355..16603, 16371..16598		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o7.tw	Method	TBLASTX:Wheat
Start	16076	End	16498
GI	none	Score	77
Exons	16076..16234, 16352..16405, 16418..16498		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o4.tc	Method	TBLASTX:Cress
Start	16355	End	16624
GI	none	Score	66
Exons	16355..16507, 16559..16624		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100416	Strand	-
Start	14778	End	16822
Name	OJ000314_28.0405.C8.o9.tm	Method	TBLASTX:Maize
Start	16355	End	16483
GI	none	Score	96
Exons	16355..16483, 16359..16472		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100417	Strand	
Start	19200	End	19658
Name	OJ000314_28.0405.C8.o4.tw	Method	TBLASTX:Wheat
Start	19200	End	19599
GI	none	Score	128
Exons	19200..19340, 19203..19337, 19314..19598, 19388..19579, 19417..19599, 19468..19599		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100417	Strand	
Start	19200	End	19658
Name	OJ000314_28.0405.C8.o6.tm	Method	TBLASTX:Maize
Start	19350	End	19658
GI	none	Score	318
Exons	19350..19658, 19397..19579, 19450..19593, 19479..19655		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100418	Strand	

Start	20181	End	20525
Name	OJ000314_28.0405.C8.o3.tm	Method	TBLASTX:Maize
Start	20181	End	20525
GI	none	Score	391
Exons	20181..20453, 20182..20454, 20183..20455, 20183..20455, 20484..20525		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100419	Strand	
Start	20499	End	21692
Name	OJ000314_28.0405.C8.o9.ts	Method	TBLASTX:Soybean
Start	20499	End	20879
GI	none	Score	88
Exons	20499..20648, 20631..20879		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100419	Strand	
Start	20499	End	21692
Name	OJ000314_28.0405.C8.o8.tm	Method	TBLASTX:Maize
Start	20637	End	21101
GI	none	Score	313
Exons	20637..21101, 20876..21094		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100419	Strand	
Start	20499	End	21692
Name	OJ000314_28.0405.C8.o5.tw	Method	TBLASTX:Wheat
Start	20744	End	20944
GI	none	Score	274
Exons	20744..20944, 20745..20942, 20752..20943		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100419	Strand	
Start	20499	End	21692
Name	OJ000314_28.0405.C8.o5.ts	Method	TBLASTX:Soybean
Start	20889	End	21287
GI	none	Score	207
Exons	20889..21110, 20891..21106, 21114..21287		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100419	Strand	
Start	20499	End	21692
Name	OJ000314_28.0405.C8.o5.tc	Method	TBLASTX:Cress
Start	20904	End	21380
GI	none	Score	119
Exons	20904..21104, 21123..21311, 21315..21380		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100419	Strand	
Start	20499	End	21692
Name	OJ000314_28.0405.C8.o1.tw	Method	TBLASTX:Wheat
Start	20945	End	21692
GI	none	Score	263
Exons	20945..21352, 20945..21442, 20952..21692, 21503..21688, 21510..21692		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8

Gene No.	100420	Strand	
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o3.ts	Method	TBLASTX:Soybean
Start	21612	End	22076
GI	5509260	Score	379
Exons	21612..22076, 21707..21928		
GI Descrip.	-		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100420	Strand	
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o1.tc	Method	TBLASTX:Cress
Start	21705	End	21965
GI	none	Score	282
Exons	21705..21965, 21707..21877		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100420	Strand	
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o5.tm	Method	TBLASTX:Maize
Start	21746	End	22211
GI	none	Score	350
Exons	21746..21877, 21747..22211, 21882..21962, 22001..22108		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100420	Strand	
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o3.tw	Method	TBLASTX:Wheat
Start	21747	End	22292
GI	none	Score	307
Exons	21747..22091, 21764..21928, 22086..22292		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100420	Strand	
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o6.ts	Method	TBLASTX:Soybean
Start	22145	End	22496
GI	none	Score	141
Exons	22145..22309, 22146..22304, 22304..22492, 22305..22493, 22314..22496		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100420	Strand	
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o4.tm	Method	TBLASTX:Maize
Start	22272	End	22644
GI	none	Score	358
Exons	22272..22643, 22295..22642, 22396..22644		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100420	Strand	
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o2.tw	Method	TBLASTX:Wheat
Start	22500	End	22975
GI	none	Score	105
Exons	22500..22574, 22501..22560, 22505..22600, 22505..22573, 22589..22975, 22590..22973, 22591..22974		

Seq. No.	47208	Seq. ID	OJ000314_28.0405.C8
Gene No.	100420	Strand	-
Start	21612	End	22975
Name	OJ000314_28.0405.C8.o7.ts	Method	TBLASTX:Soybean
Start	22506	End	22847
GI	none	Score	97
Exons	22506..22619, 22541..22609, 22638..22847, 22643..22768		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100421	Strand	+
Start	5093	End	6886
Name	OJ000314_28.0405.C9.o1.np	Method	AAT/NAP
Start	5093	End	6886
GI	7489501	Score	732
Exons	5093..6633, 6709..6886		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792220|gb|AAB96985.1| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100421	Strand	+
Start	5093	End	6886
Name	OJ000314_28.0405.C9.o1.gp	Method	AAT/GAP
Start	5832	End	6338
GI	uC-osflcyp035e05b1	Score	1002
Exons	5832..6338		
GI Descrip.	'3021265/emb|CAA18460.1| 3.0e-30 (AL022347) protein kinase-like protein [Arabidopsis thaliana] >gi_3292839_emb_CAA19829.1_ (AL031018) protein kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100422	Strand	+
Start	12147	End	12595
Name	OJ000314_28.0405.C9.o4.gp	Method	AAT/GAP
Start	12147	End	12595
GI	2312855	Score	725
Exons	12147..12595		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100423	Strand	+
Start	16807	End	17759
Name	OJ000314_28.0405.C9.o3.gs	Method	GENSCAN
Start	16807	End	17759
GI	none	Score	.52
Exons	16807..16937, 17337..17544, 17661..17759		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100424	Strand	+
Start	19182	End	23397
Name	OJ000314_28.0405.C9.o4.gs	Method	GENSCAN
Start	19182	End	23320
GI	none	Score	.77
Exons	19182..19267, 19379..19517, 19942..20025, 20305..20421, 20510..20740, 21124..21608, 21902..22001, 22638..22757, 23080..23320		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100424	Strand	+
Start	19182	End	23397
Name	OJ000314_28.0405.C9.o4.np	Method	AAT/NAP
Start	20296	End	20758
GI	7486451	Score	123
Exons	20296..20421, 20516..20758		
GI Descrip.	hypothetical protein F4I10.60 - Arabidopsis thaliana gi|4455327|emb|CAB36787.1| (AL035525) hypothetical protein [Arabidopsis thaliana] gi|7270261|emb|CAB80030.1| (AL161583) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100424	Strand	+
Start	19182	End	23397
Name	OJ000314_28.0405.C9.o5.np	Method	AAT/NAP
Start	20456	End	23397
GI	7025856	Score	837
Exons	20456..20838, 21176..21608, 21902..22001, 22308..22367, 22456..22548, 22638..22757, 23080..23397		
GI Descrip.	(AC024128) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100424	Strand	+
Start	19182	End	23397
Name	OJ000314_28.0405.C9.o6.gp	Method	AAT/GAP
Start	20614	End	21202
GI	none	Score	739
Exons	20614..20740, 20835..21029, 21124..21202		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o3.ts	Method	TBLASTX:Soybean
Start	5273	End	5719
GI	none	Score	62
Exons	5273..5338, 5342..5434, 5444..5719, 5569..5703		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o6.tm	Method	TBLASTX:Maize
Start	5578	End	6190
GI	none	Score	176
Exons	5578..5634, 5729..6031, 5753..5968, 6152..6190		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o2.ts	Method	TBLASTX:Soybean
Start	5753	End	6631
GI	none	Score	251
Exons	5753..6109, 5906..6112, 6143..6196, 6152..6190, 6380..6499, 6386..6553, 6500..6631		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-

Start	10064	End	15203
Name	OJ000314_28.0405.C9.o2.gp	Method	AAT/GAP
Start	10064	End	10357
GI	2317426	Score	538
Exons	10064..10357		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o2.np	Method	AAT/NAP
Start	10175	End	14044
GI	7488192	Score	535
Exons	10175..10480, 10559..10712, 10800..11031, 11272..11485, 11551..11622, 14010..14044		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.20 - Arabidopsis thaliana gi|3021265|emb|CAA18460.1| (AL022347) protein kinase-like protein [Arabidopsis thaliana] gi|3292839|emb|CAA19829.1| (AL031018) protein kinase-like protein [Arabidopsis thaliana] gi|7269160|emb|CAB79268.1| (AL161558) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o1.tc	Method	TBLASTX:Cress
Start	10277	End	10999
GI	none	Score	87
Exons	10277..10480, 10565..10711, 10611..10712, 10799..10960, 10803..10937, 10862..10960, 10946..10999		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o2.tm	Method	TBLASTX:Maize
Start	10277	End	11032
GI	none	Score	110
Exons	10277..10480, 10568..10711, 10569..10712, 10796..10960, 10797..10925, 10938..11015, 10943..11032		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o1.tw	Method	TBLASTX:Wheat
Start	10437	End	10966
GI	none	Score	40
Exons	10437..10484, 10439..10480, 10607..10711, 10608..10712, 10802..10936, 10803..10961, 10946..10966		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o3.gp	Method	AAT/GAP
Start	10449	End	10952
GI	287270	Score	625
Exons	10449..10480, 10559..10712, 10800..10952		
GI Descrip.	3021265/emb|CAA18460.1| 3.0e-30 (AL022347) protein kinase-like protein [Arabidopsis thaliana] >gi_3292839_emb_CAA19829.1_		

(AL031018) protein kinase-like protein [Arabidopsis thaliana]

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o1.ts	Method	TBLASTX:Soybean
Start	10608	End	11035
GI	none	Score	100
Exons	10608..10718, 10610..10714, 10785..10952, 10802..10960, 10943..11035		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o3.tm	Method	TBLASTX:Maize
Start	11342	End	11728
GI	none	Score	131
Exons	11342..11485, 11343..11474, 11344..11475, 11520..11726, 11551..11727, 11552..11728		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o3.np	Method	AAT/NAP
Start	12853	End	15203
GI	7486392	Score	254
Exons	12853..12874, 14798..15203		
GI Descrip.	hypothetical protein F4B14.190 - Arabidopsis thaliana gi|3036796|emb|CAA18486.1| (AL022373) putative protein [Arabidopsis thaliana] gi|3805858|emb|CAA21478.1| (AL031986) putative protein [Arabidopsis thaliana] gi|7270544|emb|CAB81501.1| (AL161588) putative protein [Arabidopsis thaliana]		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100425	Strand	-
Start	10064	End	15203
Name	OJ000314_28.0405.C9.o5.tm	Method	TBLASTX:Maize
Start	14805	End	15188
GI	none	Score	76
Exons	14805..14915, 14925..14984, 15039..15182, 15120..15188		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100426	Strand	
Start	20302	End	20761
Name	OJ000314_28.0405.C9.o4.tm	Method	TBLASTX:Maize
Start	20302	End	20761
GI	none	Score	131
Exons	20302..20427, 20303..20425, 20487..20642, 20488..20646, 20507..20665, 20507..20611, 20509..20634, 20654..20761, 20713..20745		

Seq. No.	47209	Seq. ID	OJ000314_28.0405.C9
Gene No.	100427	Strand	
Start	21241	End	23404
Name	OJ000314_28.0405.C9.o1.tm	Method	TBLASTX:Maize
Start	21241	End	23404

GI	none	Score	80
Exons	21241..21309, 21241..21303, 21245..21304, 21291..21446, 21307..21450, 21308..21463, 21313..21450, 21453..21611, 21457..21612, 21899..22000, 21900..22001, 21901..22002, 22287..22376, 22313..22375, 22444..22548, 22455..22553, 22455..22547, 22634..22699, 22637..22765, 22638..22772, 23063..23314, 23065..23313, 23079..23336, 23290..23403, 23292..23402, 23294..23404		

Seq. No.	47210	Seq. ID	OJ000314_28.0405.C10
Gene No.	100428	Strand	+
Start	189	End	354
Name	OJ000314_28.0405.C10.o1.gs	Method	GENSCAN
Start	189	End	354
GI	none	Score	.8
Exons	189..354		

Seq. No.	47210	Seq. ID	OJ000314_28.0405.C10
Gene No.	100429	Strand	-
Start	288	End	478
Name	OJ000314_28.0405.C10.o1.np	Method	AAT/NAP
Start	288	End	478
GI	134920	Score	42
Exons	288..478		
GI Descrip.	SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185) gi|99441|pir||A33647 sulfated surface glycoprotein 185 - Volvox carteri gi|1405821|emb|CAA35953| (X51616) SULFATED SURFACE GLYCOPROTEIN 185 [Volvox carteri]		

Seq. No.	47211	Seq. ID	OJ000214_16.0406.C1
Gene No.	100430	Strand	-
Start	1	End	243
Name	OJ000214_16.0406.C1.o1.np	Method	AAT/NAP
Start	1	End	243
GI	7488272	Score	98
Exons	1..243		
GI Descrip.	protein kinase homolog T18B16.80 - Arabidopsis thaliana (fragment) gi|4455158|emb|CAA16700.1| (AL021687) kinase-like protein [Arabidopsis thaliana] gi|7268706|emb|CAB78913.1| (AL161550) kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47211	Seq. ID	OJ000214_16.0406.C1
Gene No.	100431	Strand	-
Start	157	End	365
Name	OJ000214_16.0406.C1.o1.gs	Method	GENSCAN
Start	157	End	365
GI	none	Score	.71
Exons	157..235, 358..365		

Seq. No.	47212	Seq. ID	OJ000214_16.0406.C2
Gene No.	100432	Strand	+
Start	228	End	493
Name	OJ000214_16.0406.C2.o1.gp	Method	AAT/GAP
Start	228	End	493
GI	6025016	Score	453
Exons	228..493		

Seq. No.	47212	Seq. ID	OJ000214_16.0406.C2
Gene No.	100433	Strand	-
Start	422	End	2558
Name	OJ000214_16.0406.C2.o1.np	Method	AAT/NAP
Start	422	End	1890
GI	7248414	Score	1367
Exons	422..658, 743..766, 1061..1179, 1293..1464, 1527..1721, 1792..1890		
GI Descrip.	(AP001389) Similar to Zantedeschia aethiopica iron superoxide dismutase (AF094831) [Oryza sativa]		

Seq. No.	47212	Seq. ID	OJ000214_16.0406.C2
Gene No.	100433	Strand	-
Start	422	End	2558
Name	OJ000214_16.0406.C2.o1.gs	Method	GENSCAN
Start	425	End	2459
GI	none	Score	.71
Exons	425..658, 1061..1179, 1293..1464, 1527..1721, 1792..2001, 2351..2459		

Seq. No.	47212	Seq. ID	OJ000214_16.0406.C2
Gene No.	100433	Strand	-
Start	422	End	2558
Name	OJ000214_16.0406.C2.o1.tc	Method	TBLASTX:Cress
Start	578	End	1722
GI	none	Score	129
Exons	578..670, 737..769, 859..885, 1292..1336, 1297..1461, 1298..1462, 1403..1462, 1554..1721, 1588..1722		

Seq. No.	47212	Seq. ID	OJ000214_16.0406.C2
Gene No.	100433	Strand	-
Start	422	End	2558
Name	OJ000214_16.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	578	End	1721
GI	none	Score	54
Exons	578..670, 737..769, 859..885, 1067..1144, 1068..1178, 1289..1462, 1289..1345, 1297..1464, 1300..1467, 1389..1466, 1554..1721, 1555..1716		

Seq. No.	47212	Seq. ID	OJ000214_16.0406.C2
Gene No.	100433	Strand	-
Start	422	End	2558
Name	OJ000214_16.0406.C2.o2.gp	Method	AAT/GAP
Start	1806	End	2558
GI	none	Score	730
Exons	1806..2001, 2351..2558		

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100434	Strand	+
Start	184	End	484
Name	OJ000214_16.0406.C3.o1.gs	Method	GENSCAN
Start	184	End	484
GI	none	Score	.47
Exons	184..384, 458..484		

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100435	Strand	-

Start	398	End	2937
Name	OJ000214_16.0406.C3.o1.gp	Method	AAT/GAP
Start	398	End	2706
GI	13672_2.R1084	Score	1680
Exons	398..825, 908..1066, 1188..1321, 2098..2218, 2619..2706		
GI Descrip.	'730526/sp|P41127|RL13_ARATH 4.0e-83 60S RIBOSOMAL PROTEIN L13 (BBC1 PROTEIN HOMOLOG) >gi_480787_pir__S37271 ribosomal protein L13 - Arabidopsis thaliana >gi_404166_emb_CAA53005_ (X75162) BBC1 protein [Arabidopsis thaliana]'		

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100435	Strand	-
Start	398	End	2937
Name	OJ000214_16.0406.C3.o2.gs	Method	GENSCAN
Start	601	End	2937
GI	none	Score	.81
Exons	601..825, 908..1066, 1188..1321, 2471..2578, 2619..2680, 2795..2937		

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100435	Strand	-
Start	398	End	2937
Name	OJ000214_16.0406.C3.o1.np	Method	AAT/NAP
Start	604	End	2206
GI	7248415	Score	981
Exons	604..825, 908..1066, 1188..1321, 2098..2206		
GI Descrip.	(AP001389) ESTs AU077873(S1878),D40121(S1878) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana 60S ribosomal protein L13 (P41127) [Oryza sativa]		

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100435	Strand	-
Start	398	End	2937
Name	OJ000214_16.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	634	End	2255
GI	none	Score	90
Exons	634..750, 754..828, 755..826, 890..1069, 933..1067, 1188..1319, 1188..1322, 1192..1323, 2093..2203, 2109..2255		

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100435	Strand	-
Start	398	End	2937
Name	OJ000214_16.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	634	End	2210
GI	none	Score	229
Exons	634..828, 644..826, 649..828, 890..1069, 933..1067, 1188..1322, 1189..1314, 2093..2206, 2096..2206, 2097..2207, 2098..2208, 2100..2210		

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100435	Strand	-
Start	398	End	2937
Name	OJ000214_16.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	634	End	2210
GI	none	Score	110
Exons	634..750, 647..751, 754..828, 761..826, 890..1069, 939..1067, 1175..1312, 1177..1317, 1188..1322, 1192..1314, 2093..2206,		

2103..2207, 2124..2210

Seq. No.	47213	Seq. ID	OJ000214_16.0406.C3
Gene No.	100435	Strand	-
Start	398	End	2937
Name	OJ000214_16.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	908	End	2185
GI	none	Score	64
Exons	908..1069, 942..1067, 1186..1290, 1188..1325, 1189..1344, 2075..2173, 2075..2185, 2090..2176		

Seq. No.	47214	Seq. ID	OJ000214_16.0406.C4
Gene No.	100436	Strand	-
Start	247	End	818
Name	OJ000214_16.0406.C4.o1.gs	Method	GENSCAN
Start	247	End	818
GI	none	Score	.76
Exons	247..472, 730..818		

Seq. No.	47214	Seq. ID	OJ000214_16.0406.C4
Gene No.	100436	Strand	-
Start	247	End	818
Name	OJ000214_16.0406.C4.o1.tm	Method	TBLASTX:Maize
Start	311	End	511
GI	none	Score	67
Exons	311..379, 316..486, 328..384, 329..511, 443..511		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5
Gene No.	100437	Strand	+
Start	8275	End	8345
Name	OJ000214_16.0406.C5.o2.gp	Method	AAT/GAP
Start	8275	End	8345
GI	24690_1.R1084	Score	119
Exons	8275..8345		
GI Descrip.	'81601/pir||JT0901 5.0e-52 chaperonin 60 beta - Arabidopsis thaliana'		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5
Gene No.	100438	Strand	-
Start	3070	End	6884
Name	OJ000214_16.0406.C5.o2.gs	Method	GENSCAN
Start	3070	End	6884
GI	none	Score	.52
Exons	3070..3625, 3932..3961, 4462..4619, 4707..4832, 4926..5041, 5455..5627, 6066..6274, 6783..6884		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5
Gene No.	100438	Strand	-
Start	3070	End	6884
Name	OJ000214_16.0406.C5.o1.np	Method	AAT/NAP
Start	4440	End	5420
GI	7248402	Score	861
Exons	4440..4619, 4707..4832, 4926..5041, 5167..5257, 5367..5420		
GI Descrip.	(AP001389) Similar to Drosophila melanogaster ADP-ribosylation factor 1 (A49520) [Oryza sativa]		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5

Gene No.	100438	Strand	-
Start	3070	End	6884
Name	OJ000214_16.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	4449	End	5426
GI	none	Score	100
Exons	4449..4568, 4450..4569, 4569..4619, 4678..4833, 4707..4832, 4923..5042, 4927..5043, 5152..5253, 5159..5257, 5165..5260, 5166..5282, 5385..5426		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5
Gene No.	100438	Strand	-
Start	3070	End	6884
Name	OJ000214_16.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	4455	End	5421
GI	none	Score	94
Exons	4455..4568, 4456..4569, 4569..4619, 4678..4833, 4707..4832, 4786..4836, 4923..5042, 4927..5043, 4939..5043, 5165..5260, 5166..5282, 5166..5261, 5383..5421, 5385..5420		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5
Gene No.	100438	Strand	-
Start	3070	End	6884
Name	OJ000214_16.0406.C5.o1.tw	Method	TBLASTX:Wheat
Start	4476	End	5267
GI	none	Score	74
Exons	4476..4565, 4696..4827, 4707..4832, 4923..5042, 4927..5043, 4945..5043, 5165..5260, 5166..5267		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5
Gene No.	100438	Strand	-
Start	3070	End	6884
Name	OJ000214_16.0406.C5.o1.tc	Method	TBLASTX:Cress
Start	4696	End	5267
GI	none	Score	56
Exons	4696..4827, 4710..4832, 4923..5042, 4930..5043, 4939..5043, 5152..5238, 5159..5257, 5165..5260, 5166..5267		

Seq. No.	47215	Seq. ID	OJ000214_16.0406.C5
Gene No.	100438	Strand	-
Start	3070	End	6884
Name	OJ000214_16.0406.C5.o1.gp	Method	AAT/GAP
Start	5999	End	6110
GI	73918_1.R1084	Score	117
Exons	5999..6110		
GI Descrip.	'2280503/dbj|AB005781|AB005781 2.0e-26 Arabidopsis thaliana tRNA-Asp gene'		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100439	Strand	+
Start	1319	End	2839
Name	OJ000214_16.0406.C6.o1.gp	Method	AAT/GAP
Start	1319	End	2498
GI	2442481	Score	514
Exons	1319..1419, 1721..1873, 2458..2498		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100439	Strand	+

Start	1319	End	2839
Name	OJ000214_16.0406.C6.o1.gs	Method	GENSCAN
Start	1785	End	2839
GI	none	Score	.96
Exons	1785..1873, 2458..2839		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100439	Strand	+
Start	1319	End	2839
Name	OJ000214_16.0406.C6.o1.np	Method	AAT/NAP
Start	1785	End	2836
GI	7248404	Score	772
Exons	1785..1873, 2458..2836		
GI Descrip.	(AP001389) ESTs AU082409(E30736),C74252(E30736) correspond to a region of the predicted gene.~hypothetical protein [Oryza sativa]		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100440	Strand	-
Start	3017	End	6482
Name	OJ000214_16.0406.C6.o2.gs	Method	GENSCAN
Start	3017	End	6482
GI	none	Score	.4
Exons	3017..4659, 4836..4991, 5549..6482		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100440	Strand	-
Start	3017	End	6482
Name	OJ000214_16.0406.C6.o2.np	Method	AAT/NAP
Start	3020	End	6197
GI	7248403	Score	3817
Exons	3020..4507, 5493..6197		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100440	Strand	-
Start	3017	End	6482
Name	OJ000214_16.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	3278	End	3631
GI	none	Score	94
Exons	3278..3394, 3401..3631, 3402..3626		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100440	Strand	-
Start	3017	End	6482
Name	OJ000214_16.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	3290	End	3664
GI	none	Score	95
Exons	3290..3394, 3395..3664, 3396..3572, 3398..3661		

Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100440	Strand	-
Start	3017	End	6482
Name	OJ000214_16.0406.C6.o1.tw	Method	TBLASTX:Wheat
Start	3374	End	4051
GI	none	Score	190

Exons	3374..3394, 3395..3796, 3414..3797, 3422..3538, 3890..4051, 3894..3986		
Seq. No.	47216	Seq. ID	OJ000214_16.0406.C6
Gene No.	100440	Strand	-
Start	3017	End	6482
Name	OJ000214_16.0406.C6.o1.tc	Method	TBLASTX:Cress
Start	3401	End	4204
GI	none	Score	128
Exons	3401..3505, 3474..3797, 3491..3787, 3503..3796, 3863..3895, 3896..4054, 3902..4042, 4118..4204		
Seq. No.	47217	Seq. ID	OJ000214_16.0406.C7
Gene No.	100441	Strand	+
Start	173	End	263
Name	OJ000214_16.0406.C7.o1.gs	Method	GENSCAN
Start	173	End	263
GI	none	Score	.9
Exons	173..263		
Seq. No.	47218	Seq. ID	OJ000214_16.0406.C8
Gene No.	100442	Strand	+
Start	205	End	2958
Name	OJ000214_16.0406.C8.o1.np	Method	AAT/NAP
Start	205	End	2958
GI	7248412	Score	3150
Exons	205..2047, 2852..2958		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	47218	Seq. ID	OJ000214_16.0406.C8
Gene No.	100442	Strand	+
Start	205	End	2958
Name	OJ000214_16.0406.C8.o2.ts	Method	TBLASTX:Soybean
Start	484	End	1005
GI	none	Score	66
Exons	484..537, 607..696, 691..843, 889..1005, 922..993		
Seq. No.	47218	Seq. ID	OJ000214_16.0406.C8
Gene No.	100442	Strand	+
Start	205	End	2958
Name	OJ000214_16.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	1006	End	1380
GI	none	Score	159
Exons	1006..1143, 1023..1127, 1117..1362, 1135..1380, 1170..1379		
Seq. No.	47218	Seq. ID	OJ000214_16.0406.C8
Gene No.	100442	Strand	+
Start	205	End	2958
Name	OJ000214_16.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	1006	End	1452
GI	none	Score	144
Exons	1006..1131, 1008..1130, 1123..1452, 1132..1422, 1134..1445		
Seq. No.	47218	Seq. ID	OJ000214_16.0406.C8
Gene No.	100442	Strand	+
Start	205	End	2958
Name	OJ000214_16.0406.C8.o1.tm	Method	TBLASTX:Maize

Start	1310	End	1963
GI	none	Score	59
Exons	1310..1393, 1323..1601, 1324..1602, 1328..1603, 1484..1603, 1596..1817, 1603..1962, 1603..1962, 1706..1963		

Seq. No.	47218	Seq. ID	OJ000214_16.0406.C8
Gene No.	100442	Strand	+
Start	205	End	2958
Name	OJ000214_16.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	2020	End	2234
GI	none	Score	183
Exons	2020..2130, 2022..2102, 2026..2130, 2202..2234		

Seq. No.	47219	Seq. ID	OJ000214_16.0406.C9
Gene No.	100443	Strand	+
Start	155	End	1802
Name	OJ000214_16.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	1352
GI	none	Score	78
Exons	1..42, 3..59, 3..44, 143..193, 144..224, 197..220, 306..428, 307..432, 307..405, 311..427, 502..558, 526..573, 531..566, 591..647, 597..644, 601..645, 660..677, 1082..1198, 1082..1198, 1083..1199, 1086..1211, 1087..1200, 1213..1248, 1248..1349, 1249..1344, 1254..1352		

Seq. No.	47219	Seq. ID	OJ000214_16.0406.C9
Gene No.	100443	Strand	+
Start	155	End	1802
Name	OJ000214_16.0406.C9.o1.tw	Method	TBLASTX:Wheat
Start	3	End	408
GI	none	Score	81
Exons	3..59, 3..44, 5..58, 143..193, 144..224, 197..220, 306..407, 307..408, 308..406, 309..407		

Seq. No.	47219	Seq. ID	OJ000214_16.0406.C9
Gene No.	100443	Strand	+
Start	155	End	1802
Name	OJ000214_16.0406.C9.o1.gs	Method	GENSCAN
Start	155	End	1350
GI	none	Score	.71
Exons	155..222, 470..678, 1088..1350		

Seq. No.	47219	Seq. ID	OJ000214_16.0406.C9
Gene No.	100443	Strand	+
Start	155	End	1802
Name	OJ000214_16.0406.C9.o1.gp	Method	AAT/GAP
Start	583	End	1802
GI	none	Score	1548
Exons	583..678, 1088..1802		

Seq. No.	47220	Seq. ID	OJ000214_16.0406.C10
Gene No.	100444	Strand	-
Start	1	End	3380
Name	OJ000214_16.0406.C10.o1.np	Method	AAT/NAP
Start	1	End	3380
GI	6573149	Score	322
Exons	1..55, 2403..2670, 3119..3380		

GI Descrip. (AF201895) growth-regulating factor 1 [Oryza sativa]

Seq. No.	47220	Seq. ID	OJ000214_16.0406.C10
Gene No.	100444	Strand	-
Start	1	End	3380
Name	OJ000214_16.0406.C10.o1.gs	Method	GENSCAN
Start	699	End	3374
GI	none	Score	.68
Exons	699..882, 914..1294, 2351..2681, 3119..3374		

Seq. No.	47220	Seq. ID	OJ000214_16.0406.C10
Gene No.	100444	Strand	-
Start	1	End	3380
Name	OJ000214_16.0406.C10.o2.tm	Method	TBLASTX:Maize
Start	862	End	1139
GI	none	Score	226
Exons	862..1002, 863..1000, 908..1021, 912..1019, 1012..1080, 1040..1081, 1087..1137, 1088..1138, 1095..1139, 1095..1139		

Seq. No.	47220	Seq. ID	OJ000214_16.0406.C10
Gene No.	100444	Strand	-
Start	1	End	3380
Name	OJ000214_16.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	2494	End	2688
GI	none	Score	295
Exons	2494..2688, 2495..2686, 2508..2687		

Seq. No.	47220	Seq. ID	OJ000214_16.0406.C10
Gene No.	100444	Strand	-
Start	1	End	3380
Name	OJ000214_16.0406.C10.o1.tc	Method	TBLASTX:Cress
Start	2509	End	2652
GI	none	Score	141
Exons	2509..2652, 2519..2650		

Seq. No.	47220	Seq. ID	OJ000214_16.0406.C10
Gene No.	100444	Strand	-
Start	1	End	3380
Name	OJ000214_16.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	2511	End	3260
GI	none	Score	63
Exons	2511..2648, 2518..2661, 2519..2662, 3201..3260		

Seq. No.	47221	Seq. ID	OJ000214_16.0406.C11
Gene No.	100445	Strand	+
Start	1283	End	1406
Name	OJ000214_16.0406.C11.o1.gp	Method	AAT/GAP
Start	1283	End	1406
GI	17707_1.R1084	Score	174
Exons	1283..1406		

GI Descrip. '2129742/pir||S59544 1.0e-22 stress-induced protein OZI1 precursor - Arabidopsis thaliana >gi_790583 (U20347) mRNA corresponding to this gene accumulates in response to ozone stress and pathogen (bacterial) infection; putative pathogenesis-related protein [Arabidopsis thaliana] >gi_2252869 (AF013294) No definition line found [Arabidopsis thaliana]'

Seq. No.	47221	Seq. ID	OJ000214_16.0406.C11
Gene No.	100446	Strand	+
Start	2144	End	2781
Name	OJ000214_16.0406.C11.o1.np	Method	AAT/NAP
Start	2144	End	2781
GI	7248406	Score	418
Exons	2144..2425, 2742..2781		
GI Descrip.	(AP001389) Similar to Homo sapiens chromosome 19, cosmid F17127; hypothetical 59 kDa protein (AC004780) [Oryza sativa]		

Seq. No.	47222	Seq. ID	OJ000214_16.0406.C12
Gene No.	100447	Strand	+
Start	1	End	1460
Name	OJ000214_16.0406.C12.o1.np	Method	AAT/NAP
Start	1	End	1460
GI	7248406	Score	663
Exons	1..22, 294..412, 522..641, 753..842, 1084..1217, 1441..1460		
GI Descrip.	(AP001389) Similar to Homo sapiens chromosome 19, cosmid F17127; hypothetical 59 kDa protein (AC004780) [Oryza sativa]		

Seq. No.	47222	Seq. ID	OJ000214_16.0406.C12
Gene No.	100447	Strand	+
Start	1	End	1460
Name	OJ000214_16.0406.C12.o1.gs	Method	GENSCAN
Start	299	End	1221
GI	none	Score	.71
Exons	299..412, 522..641, 753..842, 1084..1221		

Seq. No.	47222	Seq. ID	OJ000214_16.0406.C12
Gene No.	100447	Strand	+
Start	1	End	1460
Name	OJ000214_16.0406.C12.o1.tm	Method	TBLASTX:Maize
Start	367	End	644
GI	none	Score	66
Exons	367..411, 368..412, 481..642, 519..644, 524..640		

Seq. No.	47223	Seq. ID	OJ000214_16.0406.C14
Gene No.	100448	Strand	+
Start	267	End	705
Name	OJ000214_16.0406.C14.o1.np	Method	AAT/NAP
Start	267	End	652
GI	6002102	Score	154
Exons	267..456, 570..652		
GI Descrip.	(AJ249833) Acyl-CoA binding protein (ACBP) [Digitalis lanata]		

Seq. No.	47223	Seq. ID	OJ000214_16.0406.C14
Gene No.	100448	Strand	+
Start	267	End	705
Name	OJ000214_16.0406.C14.o1.tm	Method	TBLASTX:Maize
Start	390	End	670
GI	none	Score	111
Exons	390..458, 392..457, 405..461, 564..626, 568..669, 568..657, 569..670, 569..658		

Seq. No.	47223	Seq. ID	OJ000214_16.0406.C14
Gene No.	100448	Strand	+
Start	267	End	705

Name	OJ000214_16.0406.C14.o1.gp	Method	AAT/GAP
Start	394	End	705
GI	1702_1.R1084	Score	358
Exons	394..456, 570..705		
GI Descrip.	'6002102/emb|CAB56693.1| 1.0e-29 (AJ249833) Acyl-CoA binding protein (ACBP) [Digitalis lanata]'		

Seq. No.	47224	Seq. ID	OJ000214_16.0406.C15
Gene No.	100449	Strand	+
Start	267	End	408
Name	OJ000214_16.0406.C15.o1.gs	Method	GENSCAN
Start	267	End	408
GI	none	Score	.94
Exons	267..408		

Seq. No.	47225	Seq. ID	OJ000214_16.0406.C16
Gene No.	100450	Strand	-
Start	1	End	1416
Name	OJ000214_16.0406.C16.o1.gp	Method	AAT/GAP
Start	1	End	1416
GI	none	Score	864
Exons	1..292, 1267..1416		

Seq. No.	47225	Seq. ID	OJ000214_16.0406.C16
Gene No.	100450	Strand	-
Start	1	End	1416
Name	OJ000214_16.0406.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	1324
GI	none	Score	71
Exons	2..52, 9..50, 45..284, 47..295, 49..294, 1229..1309, 1247..1324		

Seq. No.	47225	Seq. ID	OJ000214_16.0406.C16
Gene No.	100450	Strand	-
Start	1	End	1416
Name	OJ000214_16.0406.C16.o1.gs	Method	GENSCAN
Start	120	End	1345
GI	none	Score	.98
Exons	120..292, 1267..1345		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100451	Strand	+
Start	395	End	475
Name	OJ000214_16.0406.C17.o1.gp	Method	AAT/GAP
Start	395	End	475
GI	38012_1.R1084	Score	105
Exons	395..475		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100452	Strand	+
Start	3459	End	8460
Name	OJ000214_16.0406.C17.o1.gs	Method	GENSCAN
Start	3459	End	8181
GI	none	Score	.62
Exons	3459..3653, 3757..3919, 4205..4353, 4646..4784, 4937..5007, 5125..5168, 6018..6041, 6543..6687, 6772..7098, 7537..8181		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100452	Strand	+
Start	3459	End	8460
Name	OJ000214_16.0406.C17.o2.gp	Method	AAT/GAP
Start	4871	End	8460
GI	5564_1.R1084	Score	2963
Exons	4871..5007, 6543..6687, 6772..7098, 7537..8460		
GI Descrip.	'4455246/emb|CAB36745.1| 4.0e-85 (AL035523) putative protein [Arabidopsis thaliana]'		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100452	Strand	+
Start	3459	End	8460
Name	OJ000214_16.0406.C17.o1.np	Method	AAT/NAP
Start	6568	End	8163
GI	7485448	Score	804
Exons	6568..6687, 6766..6893, 6924..7051, 7544..8163		
GI Descrip.	hypothetical protein F13M23.170 - Arabidopsis thaliana gi|4455246|emb|CAB36745.1| (AL035523) putative protein [Arabidopsis thaliana] gi|7269353|emb|CAB79412.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100453	Strand	+
Start	9097	End	9839
Name	OJ000214_16.0406.C17.o3.gp	Method	AAT/GAP
Start	9040	End	9300
GI	4714449	Score	507
Exons	9040..9300		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100453	Strand	+
Start	9097	End	9839
Name	OJ000214_16.0406.C17.o2.np	Method	AAT/NAP
Start	9082	End	9738
GI	7486199	Score	233
Exons	9082..9452, 9549..9738		
GI Descrip.	hypothetical protein F26K10.190 - Arabidopsis thaliana gi|7269685|emb|CAB79633.1| (AL161572) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100453	Strand	+
Start	9097	End	9839
Name	OJ000214_16.0406.C17.o2.gs	Method	GENSCAN
Start	9097	End	9839
GI	none	Score	.95
Exons	9097..9678, 9705..9839		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100454	Strand	-
Start	9674	End	10022
Name	OJ000214_16.0406.C17.o4.gp	Method	AAT/GAP
Start	9674	End	10022
GI	4714482	Score	655
Exons	9674..10022		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o1.tm	Method	TBLASTX:Maize
Start	6544	End	8019
GI	none	Score	98
Exons	6544..6672, 6615..6671, 6766..6867, 6771..6875, 6776..6877, 6777..6878, 6919..6981, 6929..6985, 6942..6992, 6963..6986, 7549..7698, 7563..7697, 7572..7712, 7731..7982, 7732..8019, 7738..8019		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o1.tc	Method	TBLASTX:Cress
Start	6595	End	8022
GI	none	Score	77
Exons	6595..6672, 6621..6671, 6766..6870, 6777..6869, 6901..6981, 6928..7008, 7537..8022, 7545..7982, 7561..8016		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o3.tw	Method	TBLASTX:Wheat
Start	6613	End	6867
GI	none	Score	72
Exons	6613..6672, 6615..6662, 6771..6866, 6772..6867		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o3.ts	Method	TBLASTX:Soybean
Start	6615	End	7623
GI	none	Score	81
Exons	6615..6677, 6619..6678, 6774..6875, 6775..6924, 6925..6981, 7558..7623		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o2.tw	Method	TBLASTX:Wheat
Start	6919	End	7770
GI	none	Score	59
Exons	6919..6978, 7534..7770, 7563..7769		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o1.ts	Method	TBLASTX:Soybean
Start	7624	End	8022
GI	none	Score	100
Exons	7624..7752, 7627..7743, 7638..7745, 7755..7982, 7756..8022, 7759..8022		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-

Start	10452	End	11911
Name	OJ000214_16.0406.C17.o2.ts	Method	TBLASTX:Soybean
Start	9094	End	9303
GI	none	Score	103
Exons	9094..9162, 9171..9239, 9172..9303		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o2.tm	Method	TBLASTX:Maize
Start	9094	End	9387
GI	none	Score	114
Exons	9094..9165, 9153..9239, 9157..9303, 9257..9301, 9355..9387		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o2.tc	Method	TBLASTX:Cress
Start	9103	End	9303
GI	none	Score	70
Exons	9103..9159, 9172..9303		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o3.gs	Method	GENSCAN
Start	10452	End	11801
GI	none	Score	.76
Exons	10452..10572, 10674..10802, 10978..11023, 11225..11270, 11351..11397, 11546..11801		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o3.np	Method	AAT/NAP
Start	10455	End	11911
GI	7248416	Score	1106
Exons	10455..10572, 10674..10802, 10978..11023, 11225..11270, 11351..11397, 11546..11911		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o3.tm	Method	TBLASTX:Maize
Start	10683	End	11815
GI	none	Score	142
Exons	10683..10826, 10688..10804, 10977..11027, 10978..11028, 11342..11398, 11553..11807, 11578..11808, 11582..11815		

Seq. No.	47226	Seq. ID	OJ000214_16.0406.C17
Gene No.	100455	Strand	-
Start	10452	End	11911
Name	OJ000214_16.0406.C17.o1.tw	Method	TBLASTX:Wheat
Start	11351	End	11911
GI	none	Score	313
Exons	11351..11398, 11547..11579, 11553..11906, 11578..11907,		

11696..11911

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100456	Strand	+
Start	1	End	103
Name	OJ000214_16.0406.C18.o1.np	Method	AAT/NAP
Start	1	End	103
GI	7248412	Score	154
Exons	1..103		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100457	Strand	+
Start	8078	End	8471
Name	OJ000214_16.0406.C18.o4.np	Method	AAT/NAP
Start	8078	End	8471
GI	7248409	Score	489
Exons	8078..8135, 8242..8471		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100458	Strand	+
Start	11195	End	13581
Name	OJ000214_16.0406.C18.o3.gp	Method	AAT/GAP
Start	11109	End	12665
GI	none	Score	728
Exons	11109..11290, 12464..12665		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100458	Strand	+
Start	11195	End	13581
Name	OJ000214_16.0406.C18.o5.gs	Method	GENSCAN
Start	11195	End	13581
GI	none	Score	.6
Exons	11195..11408, 12122..12149, 13263..13581		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100458	Strand	+
Start	11195	End	13581
Name	OJ000214_16.0406.C18.o5.np	Method	AAT/NAP
Start	11195	End	13578
GI	7248408	Score	992
Exons	11195..11290, 12464..12666, 13263..13578		
GI Descrip.	(AP001389) ESTs AU082454(S3638),D41267(S3638) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone T5K18; hypothetical protein (AL022580) [Oryza sativa]		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100459	Strand	-
Start	823	End	1396
Name	OJ000214_16.0406.C18.o1.gp	Method	AAT/GAP
Start	606	End	1396
GI	17369_2.R1084	Score	1321
Exons	606..962, 1039..1396		
GI Descrip.	'2129742/pir||S59544 5.0e-23 stress-induced protein OZI1 precursor - Arabidopsis thaliana >gi_790583 (U20347) mRNA		

corresponding to this gene accumulates in response to ozone stress and pathogen (bacterial) infection; putative pathogenesis-related protein [Arabidopsis thaliana] >gi_2252869 (AF013294) No definition line found [Arabidopsis thaliana]'

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100459	Strand	-
Start	823	End	1396
Name	OJ000214_16.0406.C18.o1.gs	Method	GENSCAN
Start	823	End	1132
GI	none	Score	1
Exons	823..962, 1039..1132		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100459	Strand	-
Start	823	End	1396
Name	OJ000214_16.0406.C18.o2.np	Method	AAT/NAP
Start	826	End	1132
GI	7248411	Score	380
Exons	826..962, 1039..1132		
GI Descrip.	(AP001389) ESTs C99632(E20954),C99633(E20954) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana putative pathogenesis-related protein (U20347) [Oryza sativa]		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100460	Strand	-
Start	2319	End	4194
Name	OJ000214_16.0406.C18.o2.gp	Method	AAT/GAP
Start	1631	End	2082
GI	none	Score	771
Exons	1631..2082		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100460	Strand	-
Start	2319	End	4194
Name	OJ000214_16.0406.C18.o2.gs	Method	GENSCAN
Start	2319	End	2813
GI	none	Score	.83
Exons	2319..2611, 2642..2813		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100460	Strand	-
Start	2319	End	4194
Name	OJ000214_16.0406.C18.o3.np	Method	AAT/NAP
Start	2524	End	4188
GI	7248410	Score	906
Exons	2524..2712, 3811..4188		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100460	Strand	-
Start	2319	End	4194
Name	OJ000214_16.0406.C18.o3.gs	Method	GENSCAN
Start	3721	End	4194
GI	none	Score	.65
Exons	3721..4194		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o1.tm	Method	TBLASTX:Maize
Start	605	End	1150
GI	none	Score	224
Exons	605..637, 682..726, 809..964, 826..963, 1036..1143, 1037..1150, 1037..1150		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o1.ts	Method	TBLASTX:Soybean
Start	810	End	1132
GI	none	Score	75
Exons	810..938, 829..972, 830..973, 1037..1132, 1038..1100		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o1.tc	Method	TBLASTX:Cress
Start	814	End	1130
GI	none	Score	107
Exons	814..957, 829..963, 833..964, 1037..1126, 1038..1130		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o1.tw	Method	TBLASTX:Wheat
Start	832	End	1139
GI	none	Score	194
Exons	832..963, 833..964, 836..967, 1037..1138, 1038..1139		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o2.ts	Method	TBLASTX:Soybean
Start	12458	End	12655
GI	none	Score	192
Exons	12458..12655, 12496..12642		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o2.tm	Method	TBLASTX:Maize
Start	12470	End	13644
GI	none	Score	41
Exons	12470..12508, 12562..12603, 12563..12604, 12638..12667, 12640..12669, 13201..13437, 13239..13448, 13266..13463, 13267..13464, 13423..13530, 13443..13529, 13474..13530, 13510..13572, 13512..13571, 13514..13573, 13608..13643, 13627..13644		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o3.tm	Method	TBLASTX:Maize

Start	13899	End	14302
GI	none	Score	234
Exons	13899..14162, 13923..14141, 13924..14163, 14059..14175, 14181..14252, 14184..14252, 14231..14302		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o6.gs	Method	GENSCAN
Start	13908	End	14543
GI	none	Score	.42
Exons	13908..14344, 14464..14543		

Seq. No.	47227	Seq. ID	OJ000214_16.0406.C18
Gene No.	100461	Strand	-
Start	13908	End	14615
Name	OJ000214_16.0406.C18.o6.np	Method	AAT/NAP
Start	13911	End	14615
GI	7248407	Score	821
Exons	13911..14344, 14464..14615		
GI Descrip.	(AP001389) Similar to Escherichia coli thermosensitive gluconokinase (P39208) [Oryza sativa]		

Seq. No.	47228	Seq. ID	OJ000214_16.0406.C19
Gene No.	100462	Strand	-
Start	1	End	1866
Name	OJ000214_16.0406.C19.o1.np	Method	AAT/NAP
Start	1	End	1635
GI	7248407	Score	215
Exons	1..40, 759..876, 1587..1635		
GI Descrip.	(AP001389) Similar to Escherichia coli thermosensitive gluconokinase (P39208) [Oryza sativa]		

Seq. No.	47228	Seq. ID	OJ000214_16.0406.C19
Gene No.	100462	Strand	-
Start	1	End	1866
Name	OJ000214_16.0406.C19.o1.gs	Method	GENSCAN
Start	780	End	1866
GI	none	Score	.52
Exons	780..876, 1587..1674, 1756..1866		

Seq. No.	47229	Seq. ID	OJ000214_16.0406.C20
Gene No.	100463	Strand	+
Start	537	End	709
Name	OJ000214_16.0406.C20.o1.gp	Method	AAT/GAP
Start	537	End	709
GI	24690_1.R1084	Score	324
Exons	537..709		
GI Descrip.	'81601/pir||JT0901 5.0e-52 chaperonin 60 beta - Arabidopsis thaliana'		

Seq. No.	47229	Seq. ID	OJ000214_16.0406.C20
Gene No.	100463	Strand	+
Start	537	End	709
Name	OJ000214_16.0406.C20.o1.gs	Method	GENSCAN
Start	546	End	691
GI	none	Score	.82

Exons	546..691		
Seq. No.	47229	Seq. ID	OJ000214_16.0406.C20
Gene No.	100463	Strand	+
Start	537	End	709
Name	OJ000214_16.0406.C20.o1.np	Method	AAT/NAP
Start	546	End	709
GI	7248401	Score	250
Exons	546..709		
GI Descrip.	(AP001389) ESTs C99033(E4350),C99032(E4350),D46006(S10372), D47177(S12347),C28582(C61678),C27203(C51329) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; 60 KD Chaperonin Beta subuni>		
Seq. No.	47230	Seq. ID	OJ000214_11.0407.C1
Gene No.	100464	Strand	-
Start	1	End	1411
Name	OJ000214_11.0407.C1.o1.np	Method	AAT/NAP
Start	1	End	1223
GI	6911879	Score	307
Exons	1..35, 219..344, 431..560, 1131..1223		
GI Descrip.	(AL138655) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47230	Seq. ID	OJ000214_11.0407.C1
Gene No.	100464	Strand	-
Start	1	End	1411
Name	OJ000214_11.0407.C1.o1.tc	Method	TBLASTX:Cress
Start	220	End	1224
GI	none	Score	64
Exons	220..324, 223..309, 426..539, 426..560, 1131..1187, 1170..1223, 1171..1224		
Seq. No.	47230	Seq. ID	OJ000214_11.0407.C1
Gene No.	100464	Strand	-
Start	1	End	1411
Name	OJ000214_11.0407.C1.o1.tm	Method	TBLASTX:Maize
Start	220	End	1224
GI	none	Score	113
Exons	220..345, 224..346, 429..548, 432..560, 1131..1223, 1132..1224		
Seq. No.	47230	Seq. ID	OJ000214_11.0407.C1
Gene No.	100464	Strand	-
Start	1	End	1411
Name	OJ000214_11.0407.C1.o1.tw	Method	TBLASTX:Wheat
Start	220	End	461
GI	none	Score	126
Exons	220..345, 221..346, 435..461		
Seq. No.	47230	Seq. ID	OJ000214_11.0407.C1
Gene No.	100464	Strand	-
Start	1	End	1411
Name	OJ000214_11.0407.C1.o1.ts	Method	TBLASTX:Soybean
Start	221	End	1223
GI	none	Score	78
Exons	221..322, 226..327, 226..345, 432..548, 433..495, 1131..1223		

Seq. No.	47230	Seq. ID	OJ000214_11.0407.C1
Gene No.	100464	Strand	-
Start	1	End	1411
Name	OJ000214_11.0407.C1.o1.gp	Method	AAT/GAP
Start	223	End	1411
GI	68351_1.R1084	Score	995
Exons	223..344, 431..560, 1131..1411		
GI Descrip.	'4929739/gb|AAD34130.1|AF151893_1 8.0e-09 (AF151893) CGI-135 protein [Homo sapiens]'		

Seq. No.	47231	Seq. ID	OJ000214_11.0407.C4
Gene No.	100465	Strand	+
Start	207	End	2422
Name	OJ000214_11.0407.C4.o1.gs	Method	GENSCAN
Start	207	End	2422
GI	none	Score	.84
Exons	207..357, 578..916, 1084..1208, 1321..1455, 1528..1586, 1657..2422		

Seq. No.	47231	Seq. ID	OJ000214_11.0407.C4
Gene No.	100465	Strand	+
Start	207	End	2422
Name	OJ000214_11.0407.C4.o1.np	Method	AAT/NAP
Start	258	End	1860
GI	6721558	Score	255
Exons	258..357, 1084..1229, 1661..1860		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47231	Seq. ID	OJ000214_11.0407.C4
Gene No.	100465	Strand	+
Start	207	End	2422
Name	OJ000214_11.0407.C4.o2.np	Method	AAT/NAP
Start	341	End	2419
GI	6721561	Score	971
Exons	341..410, 1277..1455, 1528..1586, 1657..2419		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47232	Seq. ID	OJ000214_11.0407.C5
Gene No.	100466	Strand	-
Start	623	End	1276
Name	OJ000214_11.0407.C5.o1.gs	Method	GENSCAN
Start	623	End	1187
GI	none	Score	.97
Exons	623..1187		

Seq. No.	47232	Seq. ID	OJ000214_11.0407.C5
Gene No.	100466	Strand	-
Start	623	End	1276
Name	OJ000214_11.0407.C5.o1.np	Method	AAT/NAP
Start	626	End	1276
GI	5902445	Score	608

Exons	626..1276		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	47232	Seq. ID	OJ000214_11.0407.C5
Gene No.	100466	Strand	-
Start	623	End	1276
Name	OJ000214_11.0407.C5.o1.tw	Method	TBLASTX:Wheat
Start	635	End	1243
GI	none	Score	69
Exons	635..766, 636..761, 791..1243, 987..1094		
Seq. No.	47232	Seq. ID	OJ000214_11.0407.C5
Gene No.	100466	Strand	-
Start	623	End	1276
Name	OJ000214_11.0407.C5.o1.tm	Method	TBLASTX:Maize
Start	671	End	937
GI	none	Score	153
Exons	671..745, 729..770, 755..937		
Seq. No.	47233	Seq. ID	OJ000214_11.0407.C6
Gene No.	100467	Strand	-
Start	1	End	1058
Name	OJ000214_11.0407.C6.o1.np	Method	AAT/NAP
Start	1	End	1058
GI	5922631	Score	668
Exons	1..1058		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	47233	Seq. ID	OJ000214_11.0407.C6
Gene No.	100467	Strand	-
Start	1	End	1058
Name	OJ000214_11.0407.C6.o1.gs	Method	GENSCAN
Start	13	End	981
GI	none	Score	.55
Exons	13..393, 485..571, 740..981		
Seq. No.	47233	Seq. ID	OJ000214_11.0407.C6
Gene No.	100467	Strand	-
Start	1	End	1058
Name	OJ000214_11.0407.C6.o2.tw	Method	TBLASTX:Wheat
Start	61	End	472
GI	none	Score	43
Exons	61..219, 65..220, 211..423, 233..415, 311..472		
Seq. No.	47233	Seq. ID	OJ000214_11.0407.C6
Gene No.	100467	Strand	-
Start	1	End	1058
Name	OJ000214_11.0407.C6.o1.tw	Method	TBLASTX:Wheat
Start	500	End	1045
GI	none	Score	127
Exons	500..661, 501..662, 809..1045, 819..1043		

Seq. No.	47234	Seq. ID	OJ000214_11.0407.C7
Gene No.	100468	Strand	+
Start	1	End	1497
Name	OJ000214_11.0407.C7.o1.np	Method	AAT/NAP
Start	1	End	1497
GI	6721512	Score	67
Exons	1..96, 543..579, 1361..1497		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	47234	Seq. ID	OJ000214_11.0407.C7
Gene No.	100469	Strand	-
Start	55	End	1879
Name	OJ000214_11.0407.C7.o1.gs	Method	GENSCAN
Start	55	End	1879
GI	none	Score	.44
Exons	55..480, 898..1171, 1256..1434, 1756..1879		

Seq. No.	47235	Seq. ID	OJ000214_11.0407.C8
Gene No.	100470	Strand	+
Start	10	End	823
Name	OJ000214_11.0407.C8.o1.gs	Method	GENSCAN
Start	10	End	823
GI	none	Score	.8
Exons	10..36, 458..823		

Seq. No.	47236	Seq. ID	OJ000214_11.0407.C9
Gene No.	100471	Strand	+
Start	13	End	2517
Name	OJ000214_11.0407.C9.o1.gs	Method	GENSCAN
Start	13	End	2517
GI	none	Score	.82
Exons	13..78, 107..142, 1265..1351, 1447..1536, 2108..2188, 2323..2517		

Seq. No.	47236	Seq. ID	OJ000214_11.0407.C9
Gene No.	100471	Strand	+
Start	13	End	2517
Name	OJ000214_11.0407.C9.o1.np	Method	AAT/NAP
Start	1217	End	2481
GI	6665545	Score	364
Exons	1217..1351, 1447..1536, 2108..2188, 2323..2481		
GI Descrip.	(AC013289) putative regulator of chromosome condensation [Arabidopsis thaliana]		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031
Name	OJ000214_11.0407.C10.o1.np	Method	AAT/NAP
Start	1	End	1031
GI	2829910	Score	812
Exons	1..1031		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031

Name	OJ000214_11.0407.C10.o1.tc	Method	TBLASTX:Cress
Start	1	End	340
GI	none	Score	315
Exons	1..243, 2..244, 176..340		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031
Name	OJ000214_11.0407.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	403
GI	none	Score	69
Exons	2..184, 14..403, 16..402		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031
Name	OJ000214_11.0407.C10.o3.tm	Method	TBLASTX:Maize
Start	2	End	238
GI	none	Score	60
Exons	2..82, 33..227, 34..237, 35..238		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031
Name	OJ000214_11.0407.C10.o1.gs	Method	GENSCAN
Start	53	End	1009
GI	none	Score	.52
Exons	53..1009		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031
Name	OJ000214_11.0407.C10.o1.tm	Method	TBLASTX:Maize
Start	245	End	716
GI	none	Score	623
Exons	245..703, 246..716, 312..716		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031
Name	OJ000214_11.0407.C10.o2.ts	Method	TBLASTX:Soybean
Start	404	End	790
GI	none	Score	215
Exons	404..583, 413..529, 414..536, 442..567, 622..771, 623..790, 671..781		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031
Name	OJ000214_11.0407.C10.o2.tm	Method	TBLASTX:Maize
Start	802	End	1020
GI	none	Score	185
Exons	802..942, 805..948, 952..1020, 953..1012		

Seq. No.	47237	Seq. ID	OJ000214_11.0407.C10
Gene No.	100472	Strand	+
Start	1	End	1031

Name	OJ000214_11.0407.C10.o3.ts	Method	TBLASTX:Soybean
Start	802	End	933
GI	none	Score	55
Exons	802..933, 804..869, 805..870		

Seq. No.	47238	Seq. ID	OJ000214_11.0407.C11
Gene No.	100473	Strand	+
Start	1	End	1510
Name	OJ000214_11.0407.C11.o1.np	Method	AAT/NAP
Start	1	End	1510
GI	2829910	Score	187
Exons	1..181, 1357..1510		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	47238	Seq. ID	OJ000214_11.0407.C11
Gene No.	100473	Strand	+
Start	1	End	1510
Name	OJ000214_11.0407.C11.o1.gs	Method	GENSCAN
Start	51	End	1486
GI	none	Score	.76
Exons	51..181, 824..952, 1357..1486		

Seq. No.	47238	Seq. ID	OJ000214_11.0407.C11
Gene No.	100474	Strand	-
Start	1693	End	5497
Name	OJ000214_11.0407.C11.o2.np	Method	AAT/NAP
Start	1693	End	5497
GI	6721547	Score	83
Exons	1693..1733, 5413..5497		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47238	Seq. ID	OJ000214_11.0407.C11
Gene No.	100474	Strand	-
Start	1693	End	5497
Name	OJ000214_11.0407.C11.o1.gp	Method	AAT/GAP
Start	3645	End	3961
GI	2310215	Score	618
Exons	3645..3961		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100475	Strand	+
Start	94	End	453
Name	OJ000214_11.0407.C12.o1.gp	Method	AAT/GAP
Start	94	End	453
GI	2309883	Score	470
Exons	94..453		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100476	Strand	+
Start	1994	End	4914
Name	OJ000214_11.0407.C12.o1.gs	Method	GENSCAN
Start	1994	End	4914
GI	none	Score	.9

Exons	1994..3792, 4301..4477, 4806..4914		
Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100476	Strand	+
Start	1994	End	4914
Name	OJ000214_11.0407.C12.o1.np	Method	AAT/NAP
Start	2108	End	3967
GI	7484783	Score	1093
Exons	2108..2156, 2205..2616, 2644..3035, 3065..3967		
GI Descrip.	ABC-type transport protein F14M19.30 - Arabidopsis thaliana gi|4539293|emb|CAB39596.1| (AL049480) putative membrane transporter [Arabidopsis thaliana] gi|7269425|emb|CAB81385.1| (AL161563) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100476	Strand	+
Start	1994	End	4914
Name	OJ000214_11.0407.C12.o2.gp	Method	AAT/GAP
Start	3302	End	4117
GI	48137_1.R1084	Score	1588
Exons	3302..4117		
GI Descrip.	'4539293/emb|CAB39596.1| 9.0e-54 (AL049480) putative membrane transporter [Arabidopsis thaliana]'		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o1.ts	Method	TBLASTX:Soybean
Start	2243	End	2899
GI	none	Score	90
Exons	2243..2353, 2441..2611, 2660..2770, 2816..2899		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o2.tm	Method	TBLASTX:Maize
Start	2443	End	2965
GI	none	Score	63
Exons	2443..2523, 2444..2611, 2446..2577, 2660..2965		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o2.tc	Method	TBLASTX:Cress
Start	2678	End	2998
GI	none	Score	246
Exons	2678..2998, 2818..2961		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o1.tc	Method	TBLASTX:Cress
Start	3338	End	3691
GI	none	Score	284
Exons	3338..3691		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12

Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o1.tm	Method	TBLASTX:Maize
Start	3353	End	3721
GI	none	Score	250
Exons	3353..3721, 3451..3717, 3551..3721		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o3.ts	Method	TBLASTX:Soybean
Start	3404	End	3772
GI	none	Score	205
Exons	3404..3772		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o2.gs	Method	GENSCAN
Start	5428	End	6905
GI	none	Score	.79
Exons	5428..5485, 5570..5753, 5755..5989, 6450..6905		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o2.ts	Method	TBLASTX:Soybean
Start	5560	End	5866
GI	none	Score	163
Exons	5560..5751, 5566..5754, 5741..5866, 5749..5850		

Seq. No.	47239	Seq. ID	OJ000214_11.0407.C12
Gene No.	100477	Strand	+
Start	5428	End	6905
Name	OJ000214_11.0407.C12.o2.np	Method	AAT/NAP
Start	5570	End	6348
GI	6967112	Score	129
Exons	5570..5872, 6186..6348		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	47240	Seq. ID	OJ000214_11.0407.C13
Gene No.	100478	Strand	-
Start	237	End	705
Name	OJ000214_11.0407.C13.o1.gp	Method	AAT/GAP
Start	237	End	705
GI	none	Score	854
Exons	237..705		

Seq. No.	47241	Seq. ID	OJ000214_11.0407.C14
Gene No.	100479	Strand	-
Start	1	End	2038
Name	OJ000214_11.0407.C14.o1.np	Method	AAT/NAP
Start	1	End	2038
GI	1703029	Score	486
Exons	1..151, 252..461, 833..1080, 1816..1966, 2001..2038		
GI Descrip.	CLATHRIN COAT ASSEMBLY PROTEIN AP47 HOMOLOG 2 (CLATHRIN COAT ASSOCIATED PROTEIN AP47 HOMOLOG 2) (GOLGI ADAPTOR AP-1 47 KD		

PROTEIN HOMOLOG 2) (HA1 47 KD SUBUNIT HOMOLOG 2) (CLATHRIN ASSEMBLY PROTEIN ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN HOMOLOG 2) (P4> gi|7513952|pir||I63224 clathrin-associated adaptor protein - rat gi|468382|gb|AAA57232.1| (L07074) clathrin-associa

Seq. No.	47241	Seq. ID	OJ000214_11.0407.C14
Gene No.	100479	Strand	-
Start	1	End	2038
Name	OJ000214_11.0407.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	469
GI	none	Score	192
Exons	1..147, 2..148, 251..469, 252..464		

Seq. No.	47241	Seq. ID	OJ000214_11.0407.C14
Gene No.	100479	Strand	-
Start	1	End	2038
Name	OJ000214_11.0407.C14.o1.ts	Method	TBLASTX:Soybean
Start	86	End	472
GI	none	Score	77
Exons	86..148, 91..147, 243..464, 251..472		

Seq. No.	47241	Seq. ID	OJ000214_11.0407.C14
Gene No.	100479	Strand	-
Start	1	End	2038
Name	OJ000214_11.0407.C14.o1.gs	Method	GENSCAN
Start	252	End	1065
GI	none	Score	.63
Exons	252..461, 833..1065		

Seq. No.	47242	Seq. ID	OJ000214_11.0407.C15
Gene No.	100480	Strand	-
Start	3912	End	5990
Name	OJ000214_11.0407.C15.o2.gs	Method	GENSCAN
Start	3912	End	5990
GI	none	Score	.94
Exons	3912..4672, 5939..5990		

Seq. No.	47242	Seq. ID	OJ000214_11.0407.C15
Gene No.	100480	Strand	-
Start	3912	End	5990
Name	OJ000214_11.0407.C15.o1.gp	Method	AAT/GAP
Start	4116	End	4458
GI	3768046	Score	636
Exons	4116..4458		

Seq. No.	47243	Seq. ID	OJ000214_11.0407.C16
Gene No.	100481	Strand	+
Start	5	End	1349
Name	OJ000214_11.0407.C16.o1.np	Method	AAT/NAP
Start	5	End	1349
GI	6630699	Score	76
Exons	5..111, 1264..1349		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47243	Seq. ID	OJ000214_11.0407.C16

Gene No.	100482	Strand	-
Start	1629	End	3070
Name	OJ000214_11.0407.C16.o2.np	Method	AAT/NAP
Start	1488	End	3070
GI	5922620	Score	175
Exons	1488..1621, 2971..3070		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47243	Seq. ID	OJ000214_11.0407.C16
Gene No.	100482	Strand	-
Start	1629	End	3070
Name	OJ000214_11.0407.C16.o1.gs	Method	GENSCAN
Start	1629	End	3046
GI	none	Score	.4
Exons	1629..1828, 2236..2446, 2954..3046		

Seq. No.	47244	Seq. ID	OJ000214_11.0407.C18
Gene No.	100483	Strand	+
Start	1764	End	1932
Name	OJ000214_11.0407.C18.o2.np	Method	AAT/NAP
Start	1764	End	1932
GI	6630699	Score	75
Exons	1764..1932		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47244	Seq. ID	OJ000214_11.0407.C18
Gene No.	100484	Strand	+
Start	2059	End	2815
Name	OJ000214_11.0407.C18.o3.np	Method	AAT/NAP
Start	2059	End	2815
GI	6539570	Score	151
Exons	2059..2262, 2429..2488, 2785..2815		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47244	Seq. ID	OJ000214_11.0407.C18
Gene No.	100485	Strand	-
Start	67	End	2771
Name	OJ000214_11.0407.C18.o1.np	Method	AAT/NAP
Start	67	End	1794
GI	5922620	Score	496
Exons	67..173, 524..632, 669..915, 1146..1231, 1578..1794		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47244	Seq. ID	OJ000214_11.0407.C18
Gene No.	100485	Strand	-
Start	67	End	2771
Name	OJ000214_11.0407.C18.o1.gs	Method	GENSCAN

Start	1053	End	2771
GI	none	Score	.71
Exons	1053..1231, 1549..1573, 1619..1819, 1843..1926, 2077..2182, 2634..2771		

Seq. No.	47245	Seq. ID	OJ000214_11.0407.C19
Gene No.	100486	Strand	+
Start	611	End	1135
Name	OJ000214_11.0407.C19.o1.gs	Method	GENSCAN
Start	611	End	1135
GI	none	Score	.88
Exons	611..804, 1029..1135		

Seq. No.	47245	Seq. ID	OJ000214_11.0407.C19
Gene No.	100487	Strand	-
Start	1	End	2646
Name	OJ000214_11.0407.C19.o1.np	Method	AAT/NAP
Start	1	End	2646
GI	133421	Score	103
Exons	1..249, 2588..2646		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|81502|pir||C29959 DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - spinach chloroplast gi|295121|gb|AAA84637.1| (M55297) RNA polymerase [Spinacia oleracea]		

Seq. No.	47245	Seq. ID	OJ000214_11.0407.C19
Gene No.	100487	Strand	-
Start	1	End	2646
Name	OJ000214_11.0407.C19.o2.gs	Method	GENSCAN
Start	1332	End	2334
GI	none	Score	.59
Exons	1332..1367, 2200..2334		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100488	Strand	+
Start	502	End	958
Name	OJ000214_11.0407.C21.o1.gs	Method	GENSCAN
Start	502	End	958
GI	none	Score	.82
Exons	502..596, 640..764, 870..958		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100489	Strand	+
Start	8225	End	12241
Name	OJ000214_11.0407.C21.o4.gs	Method	GENSCAN
Start	8225	End	12241
GI	none	Score	.41
Exons	8225..8277, 8573..8753, 9036..9283, 9441..9537, 9649..9817, 9940..10106, 10174..10365, 10431..10489, 10563..10660, 10709..11198, 11467..11563, 11771..12241		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100489	Strand	+
Start	8225	End	12241
Name	OJ000214_11.0407.C21.o1.np	Method	AAT/NAP
Start	10110	End	11327
GI	6721561	Score	1198

Exons	10110..10365, 10431..10489, 10563..11327		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100490	Strand	-
Start	4775	End	7160
Name	OJ000214_11.0407.C21.o3.gs	Method	GENSCAN
Start	4775	End	7160
GI	none	Score	.88
Exons	4775..5438, 6076..6106, 7037..7160		
Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o5.gs	Method	GENSCAN
Start	12852	End	14919
GI	none	Score	.58
Exons	12852..13189, 13194..14028, 14049..14609, 14686..14919		
Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o3.tm	Method	TBLASTX:Maize
Start	12900	End	13157
GI	none	Score	49
Exons	12900..12983, 12934..12990, 12984..13157, 13015..13101		
Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o2.np	Method	AAT/NAP
Start	13155	End	15016
GI	5902445	Score	1644
Exons	13155..13233, 13275..15016		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o3.tw	Method	TBLASTX:Wheat
Start	13510	End	13899
GI	none	Score	73
Exons	13510..13641, 13510..13644, 13520..13651, 13645..13794, 13795..13899		
Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o4.tw	Method	TBLASTX:Wheat
Start	13900	End	14162
GI	none	Score	61
Exons	13900..14046, 14043..14090, 14094..14162		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o1.ts	Method	TBLASTX:Soybean
Start	14112	End	14537
GI	none	Score	81
Exons	14112..14537, 14353..14478		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o1.tw	Method	TBLASTX:Wheat
Start	14167	End	14591
GI	none	Score	238
Exons	14167..14481, 14178..14591, 14199..14588		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o2.tm	Method	TBLASTX:Maize
Start	14265	End	14609
GI	none	Score	116
Exons	14265..14609, 14266..14481, 14519..14581		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o1.tm	Method	TBLASTX:Maize
Start	14683	End	14991
GI	none	Score	206
Exons	14683..14991, 14705..14971, 14743..14979		

Seq. No.	47246	Seq. ID	OJ000214_11.0407.C21
Gene No.	100491	Strand	-
Start	12852	End	15016
Name	OJ000214_11.0407.C21.o2.tw	Method	TBLASTX:Wheat
Start	14707	End	15012
GI	none	Score	232
Exons	14707..15012, 14708..14971		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100492	Strand	+
Start	4105	End	4874
Name	OJ000214_11.0407.C22.o2.gs	Method	GENSCAN
Start	4105	End	4874
GI	none	Score	.72
Exons	4105..4179, 4380..4510, 4847..4874		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100493	Strand	+
Start	6167	End	6442
Name	OJ000214_11.0407.C22.o4.np	Method	AAT/NAP
Start	6167	End	6442
GI	6721512	Score	59
Exons	6167..6284, 6313..6442		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100494	Strand	-
Start	1	End	3715
Name	OJ000214_11.0407.C22.o1.np	Method	AAT/NAP
Start	1	End	3509
GI	5922631	Score	851
Exons	1..988, 1104..1277, 1320..1740, 1921..2080, 3445..3509		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100494	Strand	-
Start	1	End	3715
Name	OJ000214_11.0407.C22.o1.gs	Method	GENSCAN
Start	86	End	3214
GI	none	Score	.69
Exons	86..441, 559..967, 1026..1496, 1713..1844, 1963..2164, 2207..2607, 2634..2776, 2848..3214		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100494	Strand	-
Start	1	End	3715
Name	OJ000214_11.0407.C22.o3.np	Method	AAT/NAP
Start	1634	End	3715
GI	7523517	Score	348
Exons	1634..1676, 3131..3270, 3421..3715		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100495	Strand	-
Start	4904	End	8353
Name	OJ000214_11.0407.C22.o1.tw	Method	TBLASTX:Wheat
Start	2	End	724
GI	none	Score	87
Exons	2..121, 6..68, 275..505, 284..493, 542..724, 543..716		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100495	Strand	-
Start	4904	End	8353
Name	OJ000214_11.0407.C22.o2.tw	Method	TBLASTX:Wheat
Start	1420	End	1746
GI	none	Score	78
Exons	1420..1623, 1430..1576, 1582..1695, 1634..1684, 1696..1746		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100495	Strand	-
Start	4904	End	8353
Name	OJ000214_11.0407.C22.o5.np	Method	AAT/NAP
Start	4904	End	6665
GI	7523517	Score	177
Exons	4904..4946, 5134..5194, 5252..5398, 6075..6221, 6366..6665		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47247	Seq. ID	OJ000214_11.0407.C22
Gene No.	100495	Strand	-
Start	4904	End	8353
Name	OJ000214_11.0407.C22.o3.gs	Method	GENSCAN
Start	4950	End	8353
GI	none	Score	.5
Exons	4950..5167, 5172..5361, 5552..5704, 5744..5873, 6104..6221, 6600..6716, 7004..7082, 8264..8353		

Seq. No.	47248	Seq. ID	OJ000214_11.0407.C23
Gene No.	100496	Strand	-
Start	18	End	2228
Name	OJ000214_11.0407.C23.o1.gs	Method	GENSCAN
Start	18	End	2228
GI	none	Score	.74
Exons	18..176, 2066..2228		

Seq. No.	47248	Seq. ID	OJ000214_11.0407.C23
Gene No.	100497	Strand	-
Start	5120	End	5237
Name	OJ000214_11.0407.C23.o1.tm	Method	TBLASTX:Maize
Start	343	End	1212
GI	none	Score	231
Exons	343..756, 606..788, 819..1193, 823..1212		

Seq. No.	47248	Seq. ID	OJ000214_11.0407.C23
Gene No.	100497	Strand	-
Start	5120	End	5237
Name	OJ000214_11.0407.C23.o1.ts	Method	TBLASTX:Soybean
Start	889	End	1364
GI	none	Score	183
Exons	889..1203, 1272..1364		

Seq. No.	47248	Seq. ID	OJ000214_11.0407.C23
Gene No.	100497	Strand	-
Start	5120	End	5237
Name	OJ000214_11.0407.C23.o1.tw	Method	TBLASTX:Wheat
Start	913	End	1307
GI	none	Score	133
Exons	913..1194, 1203..1307		

Seq. No.	47248	Seq. ID	OJ000214_11.0407.C23
Gene No.	100497	Strand	-
Start	5120	End	5237
Name	OJ000214_11.0407.C23.o1.gp	Method	AAT/GAP
Start	5120	End	5237
GI	2311008	Score	142
Exons	5120..5237		

Seq. No.	47249	Seq. ID	OJ000214_11.0407.C24
Gene No.	100498	Strand	+
Start	501	End	1938
Name	OJ000214_11.0407.C24.o3.np	Method	AAT/NAP
Start	501	End	1938
GI	4056497	Score	49
Exons	501..557, 905..981, 1631..1938		

GI Descrip. (AC005896) putative histone H2B [Arabidopsis thaliana]

Seq. No.	47249	Seq. ID	OJ000214_11.0407.C24
Gene No.	100499	Strand	-
Start	99	End	990
Name	OJ000214_11.0407.C24.o1.gs	Method	GENSCAN
Start	99	End	990
GI	none	Score	.82
Exons	99..990		

Seq. No.	47249	Seq. ID	OJ000214_11.0407.C24
Gene No.	100500	Strand	-
Start	1463	End	2277
Name	OJ000214_11.0407.C24.o2.gs	Method	GENSCAN
Start	1463	End	2277
GI	none	Score	.63
Exons	1463..1474, 1699..1801, 2225..2277		

Seq. No.	47250	Seq. ID	OJ000214_11.0407.C25
Gene No.	100501	Strand	-
Start	1137	End	2260
Name	OJ000214_11.0407.C25.o1.np	Method	AAT/NAP
Start	1137	End	2260
GI	6721508	Score	68
Exons	1137..1336, 2020..2084, 2127..2260		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	47251	Seq. ID	OJ000214_11.0407.C26
Gene No.	100502	Strand	-
Start	117	End	294
Name	OJ000214_11.0407.C26.o1.gs	Method	GENSCAN
Start	117	End	294
GI	none	Score	.85
Exons	117..294		

Seq. No.	47252	Seq. ID	OJ000214_11.0407.C30
Gene No.	100503	Strand	+
Start	1	End	325
Name	OJ000214_11.0407.C30.o1.np	Method	AAT/NAP
Start	1	End	325
GI	5902448	Score	498
Exons	1..325		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	47252	Seq. ID	OJ000214_11.0407.C30
Gene No.	100504	Strand	+
Start	3061	End	9837
Name	OJ000214_11.0407.C30.o2.np	Method	AAT/NAP
Start	3061	End	9837
GI	7228442	Score	1328
Exons	3061..3394, 3442..3617, 3645..5191, 9479..9837		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	47252	Seq. ID	OJ000214_11.0407.C30
Gene No.	100504	Strand	+

Start	3061	End	9837
Name	OJ000214_11.0407.C30.o1.tm	Method	TBLASTX:Maize
Start	4124	End	4711
GI	none	Score	113
Exons	4124..4246, 4129..4242, 4300..4500, 4301..4591, 4355..4591, 4630..4674, 4631..4711		

Seq. No.	47252	Seq. ID	OJ000214_11.0407.C30
Gene No.	100504	Strand	+
Start	3061	End	9837
Name	OJ000214_11.0407.C30.o1.tw	Method	TBLASTX:Wheat
Start	4436	End	4822
GI	none	Score	164
Exons	4436..4609, 4460..4579, 4621..4725, 4622..4822, 4622..4735		

Seq. No.	47252	Seq. ID	OJ000214_11.0407.C30
Gene No.	100504	Strand	+
Start	3061	End	9837
Name	OJ000214_11.0407.C30.o2.gs	Method	GENSCAN
Start	5611	End	7860
GI	none	Score	.56
Exons	5611..5852, 5956..6079, 7096..7285, 7376..7441, 7505..7860		

Seq. No.	47253	Seq. ID	OJ000214_11.0407.C32
Gene No.	100505	Strand	+
Start	198	End	2111
Name	OJ000214_11.0407.C32.o1.gs	Method	GENSCAN
Start	198	End	2111
GI	none	Score	.66
Exons	198..346, 522..701, 804..882, 1913..2111		

Seq. No.	47253	Seq. ID	OJ000214_11.0407.C32
Gene No.	100506	Strand	-
Start	2006	End	3816
Name	OJ000214_11.0407.C32.o1.np	Method	AAT/NAP
Start	2006	End	3816
GI	7340909	Score	132
Exons	2006..2519, 3750..3816		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47253	Seq. ID	OJ000214_11.0407.C32
Gene No.	100506	Strand	-
Start	2006	End	3816
Name	OJ000214_11.0407.C32.o2.gs	Method	GENSCAN
Start	3396	End	3623
GI	none	Score	.71
Exons	3396..3623		

Seq. No.	47254	Seq. ID	OJ000214_11.0407.C34
Gene No.	100507	Strand	+
Start	41	End	670
Name	OJ000214_11.0407.C34.o1.np	Method	AAT/NAP
Start	41	End	670
GI	6006381	Score	221
Exons	41..312, 499..670		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	47254	Seq. ID	OJ000214_11.0407.C34
Gene No.	100508	Strand	-
Start	38	End	733
Name	OJ000214_11.0407.C34.o1.gs	Method	GENSCAN
Start	38	End	733
GI	none	Score	.62
Exons	38..194, 267..487, 609..733		

Seq. No.	47255	Seq. ID	OJ000214_11.0407.C35
Gene No.	100509	Strand	+
Start	1	End	378
Name	OJ000214_11.0407.C35.o1.np	Method	AAT/NAP
Start	1	End	154
GI	5922620	Score	109
Exons	1..154		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47255	Seq. ID	OJ000214_11.0407.C35
Gene No.	100509	Strand	+
Start	1	End	378
Name	OJ000214_11.0407.C35.o1.gp	Method	AAT/GAP
Start	1	End	378
GI	LIB3479-006-Q6-K1-B11	Score	525
Exons	1..378		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	47255	Seq. ID	OJ000214_11.0407.C35
Gene No.	100510	Strand	-
Start	293	End	372
Name	OJ000214_11.0407.C35.o2.np	Method	AAT/NAP
Start	293	End	372
GI	6630699	Score	83
Exons	293..372		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47256	Seq. ID	OJ000214_11.0407.C36
Gene No.	100511	Strand	-
Start	514	End	682
Name	OJ000214_11.0407.C36.o1.tm	Method	TBLASTX:Maize
Start	320	End	682
GI	none	Score	151
Exons	320..448, 334..444, 574..681, 575..682		

Seq. No.	47256	Seq. ID	OJ000214_11.0407.C36
Gene No.	100511	Strand	-
Start	514	End	682
Name	OJ000214_11.0407.C36.o1.gs	Method	GENSCAN
Start	514	End	682
GI	none	Score	.78
Exons	514..682		

Seq. No.	47257	Seq. ID	OJ000214_11.0407.C39
Gene No.	100512	Strand	-
Start	108	End	314
Name	OJ000214_11.0407.C39.o1.gs	Method	GENSCAN
Start	108	End	314
GI	none	Score	.68
Exons	108..314		

Seq. No.	47258	Seq. ID	OJ000214_11.0407.C40
Gene No.	100513	Strand	+
Start	1246	End	3543
Name	OJ000214_11.0407.C40.o2.np	Method	AAT/NAP
Start	1246	End	3543
GI	7228450	Score	275
Exons	1246..1324, 2287..2411, 2545..2686, 2772..2844, 3503..3543		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47258	Seq. ID	OJ000214_11.0407.C40
Gene No.	100514	Strand	-
Start	163	End	2953
Name	OJ000214_11.0407.C40.o1.gs	Method	GENSCAN
Start	163	End	2953
GI	none	Score	.66
Exons	163..401, 454..742, 1084..1384, 1921..2079, 2933..2953		

Seq. No.	47258	Seq. ID	OJ000214_11.0407.C40
Gene No.	100514	Strand	-
Start	163	End	2953
Name	OJ000214_11.0407.C40.o1.np	Method	AAT/NAP
Start	684	End	2671
GI	5430765	Score	159
Exons	684..1177, 2642..2671		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	47258	Seq. ID	OJ000214_11.0407.C40
Gene No.	100515	Strand	-
Start	4685	End	12392
Name	OJ000214_11.0407.C40.o2.gs	Method	GENSCAN
Start	4685	End	12392
GI	none	Score	.47
Exons	4685..4875, 5218..5351, 8046..8136, 9683..10068, 10586..10650, 11760..12392		

Seq. No.	47258	Seq. ID	OJ000214_11.0407.C40
Gene No.	100515	Strand	-
Start	4685	End	12392
Name	OJ000214_11.0407.C40.o1.tm	Method	TBLASTX:Maize
Start	11793	End	12029
GI	none	Score	136
Exons	11793..11891, 11794..11886, 11946..12029, 11947..12027		

Seq. No.	47259	Seq. ID	OJ000214_11.0407.C47
Gene No.	100516	Strand	-
Start	26	End	717
Name	OJ000214_11.0407.C47.o1.gs	Method	GENSCAN
Start	26	End	445

GI	none	Score	.72
Exons	26..234, 258..445		

Seq. No.	47259	Seq. ID	OJ000214_11.0407.C47
Gene No.	100516	Strand	-
Start	26	End	717
Name	OJ000214_11.0407.C47.o1.np	Method	AAT/NAP
Start	103	End	717
GI	6721562	Score	447
Exons	103..717		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	47259	Seq. ID	OJ000214_11.0407.C47
Gene No.	100516	Strand	-
Start	26	End	717
Name	OJ000214_11.0407.C47.o1.tw	Method	TBLASTX:Wheat
Start	297	End	695
GI	none	Score	83
Exons	297..572, 298..525, 531..644, 583..633, 645..695		

Seq. No.	47259	Seq. ID	OJ000214_11.0407.C47
Gene No.	100516	Strand	-
Start	26	End	717
Name	OJ000214_11.0407.C47.o1.tm	Method	TBLASTX:Maize
Start	411	End	650
GI	none	Score	186
Exons	411..650		

Seq. No.	47260	Seq. ID	OJ000214_10.0404.C1
Gene No.	100517	Strand	-
Start	1309	End	1865
Name	OJ000214_10.0404.C1.o1.gp	Method	AAT/GAP
Start	1063	End	1865
GI	705_3.R1084	Score	1426
Exons	1063..1252, 1286..1865		
GI Descrip.	'1362184/pir||S56685 4.0e-44 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	47260	Seq. ID	OJ000214_10.0404.C1
Gene No.	100517	Strand	-
Start	1309	End	1865
Name	OJ000214_10.0404.C1.o1.ts	Method	TBLASTX:Soybean
Start	1285	End	1585
GI	none	Score	301
Exons	1285..1584, 1319..1585		

Seq. No.	47260	Seq. ID	OJ000214_10.0404.C1
Gene No.	100517	Strand	-
Start	1309	End	1865
Name	OJ000214_10.0404.C1.o1.tm	Method	TBLASTX:Maize
Start	1286	End	1585
GI	none	Score	402

Exons	1286..1585, 1291..1584		
Seq. No.	47260	Seq. ID	OJ000214_10.0404.C1
Gene No.	100517	Strand	-
Start	1309	End	1865
Name	OJ000214_10.0404.C1.o1.tc	Method	TBLASTX:Cress
Start	1297	End	1585
GI	none	Score	297
Exons	1297..1584, 1319..1585		
Seq. No.	47260	Seq. ID	OJ000214_10.0404.C1
Gene No.	100517	Strand	-
Start	1309	End	1865
Name	OJ000214_10.0404.C1.o1.gs	Method	GENSCAN
Start	1309	End	1770
GI	none	Score	.91
Exons	1309..1770		
Seq. No.	47260	Seq. ID	OJ000214_10.0404.C1
Gene No.	100517	Strand	-
Start	1309	End	1865
Name	OJ000214_10.0404.C1.o1.np	Method	AAT/NAP
Start	1312	End	1770
GI	3913804	Score	684
Exons	1312..1770		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		
Seq. No.	47260	Seq. ID	OJ000214_10.0404.C1
Gene No.	100517	Strand	-
Start	1309	End	1865
Name	OJ000214_10.0404.C1.o1.tw	Method	TBLASTX:Wheat
Start	1315	End	1585
GI	none	Score	407
Exons	1315..1584; 1316..1585, 1445..1585, 1480..1584		
Seq. No.	47261	Seq. ID	OJ000214_10.0404.C2
Gene No.	100518	Strand	+
Start	1964	End	2476
Name	OJ000214_10.0404.C2.o1.np	Method	AAT/NAP
Start	1964	End	2476
GI	6649087	Score	832
Exons	1964..2476		
GI Descrip.	(AF146270) resistance gene analog PIC23 [Oryza sativa]		
Seq. No.	47261	Seq. ID	OJ000214_10.0404.C2
Gene No.	100519	Strand	+
Start	5312	End	5519
Name	OJ000214_10.0404.C2.o1.tm	Method	TBLASTX:Maize
Start	1979	End	2797
GI	none	Score	124
Exons	1979..2203, 2399..2500, 2413..2490, 2525..2797, 2620..2796		
Seq. No.	47261	Seq. ID	OJ000214_10.0404.C2
Gene No.	100519	Strand	+
Start	5312	End	5519
Name	OJ000214_10.0404.C2.o1.gp	Method	AAT/GAP

Start	5312	End	5519
GI	1007_1.R1084	Score	268
Exons	5312..5519		
GI Descrip.	'2497903/sp|P94029|MT21_ORYSA 2.0e-17 METALLOTHIONEIN-LIKE PROTEIN TYPE 2 >gi_1752831_dbj_BAA14038.1_ (D89931) metallothionein-like protein [Oryza sativa] >gi_1815628 (U43530) metallothionein-like type 2 [Oryza sativa]'		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100520	Strand	+
Start	1303	End	2916
Name	OJ000214_10.0404.C3.o3.np	Method	AAT/NAP
Start	1303	End	2585
GI	2497903	Score	278
Exons	1303..1375, 1553..1630, 2483..2585		
GI Descrip.	METALLOTHIONEIN-LIKE PROTEIN TYPE 2 gi|7441820|pir||T03727 metallothionein-like protein - rice gi|1752831|dbj|BAA14038.1| (D89931) metallothionein-like protein [Oryza sativa] gi|1815628|gb|AAC49627.1| (U43530) metallothionein-like type 2 [Oryza sativa]		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100520	Strand	+
Start	1303	End	2916
Name	OJ000214_10.0404.C3.o1.gp	Method	AAT/GAP
Start	1553	End	2916
GI	1007_1.R1084	Score	845
Exons	1553..1630, 2483..2916		
GI Descrip.	'2497903/sp|P94029|MT21_ORYSA 2.0e-17 METALLOTHIONEIN-LIKE PROTEIN TYPE 2 >gi_1752831_dbj_BAA14038.1_ (D89931) metallothionein-like protein [Oryza sativa] >gi_1815628 (U43530) metallothionein-like type 2 [Oryza sativa]'		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100521	Strand	-
Start	1	End	1616
Name	OJ000214_10.0404.C3.o1.np	Method	AAT/NAP
Start	1	End	1616
GI	6069646	Score	536
Exons	1..945, 1229..1616		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100521	Strand	-
Start	1	End	1616
Name	OJ000214_10.0404.C3.o2.tm	Method	TBLASTX:Maize
Start	7	End	538
GI	none	Score	59
Exons	7..213, 281..454, 473..538		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100521	Strand	-
Start	1	End	1616

Name	OJ000214_10.0404.C3.o1.gs	Method	GENSCAN
Start	233	End	1514
GI	none	Score	.57
Exons	233..906, 968..1227, 1309..1514		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100521	Strand	-
Start	1	End	1616
Name	OJ000214_10.0404.C3.o3.tm	Method	TBLASTX:Maize
Start	746	End	1016
GI	none	Score	87
Exons	746..1015, 891..1016		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100521	Strand	-
Start	1	End	1616
Name	OJ000214_10.0404.C3.o1.ts	Method	TBLASTX:Soybean
Start	854	End	1394
GI	none	Score	170
Exons	854..982, 1068..1394		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100521	Strand	-
Start	1	End	1616
Name	OJ000214_10.0404.C3.o1.tw	Method	TBLASTX:Wheat
Start	932	End	1373
GI	none	Score	62
Exons	932..1009, 1071..1373, 1105..1263		

Seq. No.	47262	Seq. ID	OJ000214_10.0404.C3
Gene No.	100521	Strand	-
Start	1	End	1616
Name	OJ000214_10.0404.C3.o1.tm	Method	TBLASTX:Maize
Start	1017	End	1466
GI	none	Score	316
Exons	1017..1466		

Seq. No.	47263	Seq. ID	OJ000214_10.0404.C4
Gene No.	100522	Strand	+
Start	1	End	10214
Name	OJ000214_10.0404.C4.o2.np	Method	AAT/NAP
Start	1	End	10214
GI	7340868	Score	213
Exons	1..32, 4675..4772, 9336..9523, 10184..10214		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47263	Seq. ID	OJ000214_10.0404.C4
Gene No.	100522	Strand	+
Start	1	End	10214
Name	OJ000214_10.0404.C4.o1.gs	Method	GENSCAN
Start	251	End	276
GI	none	Score	.48
Exons	251..276		

Seq. No.	47263	Seq. ID	OJ000214_10.0404.C4
Gene No.	100522	Strand	+
Start	1	End	10214

Name	OJ000214_10.0404.C4.o1.np	Method	AAT/NAP
Start	388	End	477
GI	5852084	Score	89
Exons	388..477		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	47263	Seq. ID	OJ000214_10.0404.C4
Gene No.	100522	Strand	+
Start	1	End	10214
Name	OJ000214_10.0404.C4.o3.gs	Method	GENSCAN
Start	4959	End	6391
GI	none	Score	.81
Exons	4959..4976, 5322..5530, 5857..6391		

Seq. No.	47263	Seq. ID	OJ000214_10.0404.C4
Gene No.	100523	Strand	-
Start	1984	End	3771
Name	OJ000214_10.0404.C4.o1.gp	Method	AAT/GAP
Start	1984	End	3771
GI	none	Score	632
Exons	1984..2243, 3682..3771		

Seq. No.	47263	Seq. ID	OJ000214_10.0404.C4
Gene No.	100524	Strand	-
Start	4406	End	4829
Name	OJ000214_10.0404.C4.o2.gp	Method	AAT/GAP
Start	4406	End	4829
GI	5003145	Score	815
Exons	4406..4829		

Seq. No.	47263	Seq. ID	OJ000214_10.0404.C4
Gene No.	100525	Strand	-
Start	6580	End	7595
Name	OJ000214_10.0404.C4.o4.gs	Method	GENSCAN
Start	6580	End	7595
GI	none	Score	.44
Exons	6580..6733, 7039..7122, 7511..7595		

Seq. No.	47264	Seq. ID	OJ000214_10.0404.C5
Gene No.	100526	Strand	+
Start	280	End	624
Name	OJ000214_10.0404.C5.o1.gs	Method	GENSCAN
Start	280	End	624
GI	none	Score	.46
Exons	280..624		

Seq. No.	47264	Seq. ID	OJ000214_10.0404.C5
Gene No.	100527	Strand	+
Start	2523	End	2906
Name	OJ000214_10.0404.C5.o2.gs	Method	GENSCAN
Start	2523	End	2906
GI	none	Score	.43
Exons	2523..2906		

Seq. No.	47265	Seq. ID	OJ000214_10.0404.C6
Gene No.	100528	Strand	+
Start	29	End	565

Name	OJ000214_10.0404.C6.o1.gs	Method	GENSCAN
Start	29	End	565
GI	none	Score	.47
Exons	29..565		

Seq. No.	47266	Seq. ID	OJ000214_10.0404.C7
Gene No.	100529	Strand	+
Start	193	End	827
Name	OJ000214_10.0404.C7.o1.gs	Method	GENSCAN
Start	193	End	580
GI	none	Score	.98
Exons	193..580		

Seq. No.	47266	Seq. ID	OJ000214_10.0404.C7
Gene No.	100529	Strand	+
Start	193	End	827
Name	OJ000214_10.0404.C7.o1.gp	Method	AAT/GAP
Start	473	End	827
GI	none	Score	686
Exons	473..827		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100530	Strand	+
Start	1	End	2472
Name	OJ000214_10.0404.C11.o1.np	Method	AAT/NAP
Start	1	End	2472
GI	1669655	Score	629
Exons	1..74, 236..418, 495..1024, 1137..1241, 1335..1401, 1486..1563, 2250..2318, 2404..2472		
GI Descrip.	(X95962) CER3 [Arabidopsis thaliana]		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100530	Strand	+
Start	1	End	2472
Name	OJ000214_10.0404.C11.o1.gs	Method	GENSCAN
Start	28	End	1547
GI	none	Score	.67
Exons	28..85, 201..409, 495..682, 740..936, 1137..1241, 1486..1547		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100530	Strand	+
Start	1	End	2472
Name	OJ000214_10.0404.C11.o1.gp	Method	AAT/GAP
Start	195	End	1362
GI	18254_1.R1084	Score	1677
Exons	195..409, 495..1024, 1137..1241, 1335..1362		
GI Descrip.	'1669655/emb|CAA65198| 2.0e-56 (X95962) CER3 [Arabidopsis thaliana]'		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100531	Strand	-
Start	1964	End	2509
Name	OJ000214_10.0404.C11.o2.tm	Method	TBLASTX:Maize
Start	195	End	379
GI	none	Score	125
Exons	195..332, 199..378, 200..379		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100531	Strand	-
Start	1964	End	2509
Name	OJ000214_10.0404.C11.o1.tm	Method	TBLASTX:Maize
Start	471	End	2479
GI	none	Score	428
Exons	471..812, 503..760, 757..783, 789..1028, 795..1022, 796..1029, 869..1024, 1122..1241, 1135..1233, 1136..1249, 1330..1401, 1332..1418, 1468..1563, 1473..1556, 1480..1563, 1487..1564, 2247..2321, 2248..2319, 2255..2320, 2392..2478, 2404..2478, 2405..2479		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100531	Strand	-
Start	1964	End	2509
Name	OJ000214_10.0404.C11.o1.ts	Method	TBLASTX:Soybean
Start	543	End	1010
GI	none	Score	189
Exons	543..761, 653..760, 807..1010		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100531	Strand	-
Start	1964	End	2509
Name	OJ000214_10.0404.C11.o2.ts	Method	TBLASTX:Soybean
Start	1150	End	2466
GI	none	Score	132
Exons	1150..1230, 1155..1241, 1330..1401, 1467..1556, 1468..1563, 2247..2321, 2392..2466		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100531	Strand	-
Start	1964	End	2509
Name	OJ000214_10.0404.C11.o1.tw	Method	TBLASTX:Wheat
Start	1211	End	2509
GI	none	Score	42
Exons	1211..1243, 1213..1239, 1330..1401, 1332..1499, 1334..1417, 1468..1545, 1473..1535, 1477..1545, 2221..2319, 2247..2321, 2248..2319, 2249..2320, 2392..2508, 2396..2509		

Seq. No.	47267	Seq. ID	OJ000214_10.0404.C11
Gene No.	100531	Strand	-
Start	1964	End	2509
Name	OJ000214_10.0404.C11.o2.gs	Method	GENSCAN
Start	1964	End	2410
GI	none	Score	.5
Exons	1964..1995, 2332..2410		

Seq. No.	47268	Seq. ID	OJ000214_10.0404.C12
Gene No.	100532	Strand	-
Start	198	End	1624
Name	OJ000214_10.0404.C12.o1.gs	Method	GENSCAN
Start	198	End	1624
GI	none	Score	.5
Exons	198..398, 589..712, 1605..1624		

Seq. No.	47269	Seq. ID	OJ000214_10.0404.C14
Gene No.	100533	Strand	-

Start	33	End	1367
Name	OJ000214_10.0404.C14.o1.gs	Method	GENSCAN
Start	33	End	1367
GI	none	Score	.86
Exons	33..197, 595..624, 1022..1102, 1202..1367		

Seq. No.	47270	Seq. ID	OJ000214_10.0404.C15
Gene No.	100534	Strand	+
Start	3348	End	3773
Name	OJ000214_10.0404.C15.o1.gs	Method	GENSCAN
Start	3348	End	3773
GI	none	Score	.76
Exons	3348..3451, 3755..3773		

Seq. No.	47270	Seq. ID	OJ000214_10.0404.C15
Gene No.	100535	Strand	-
Start	2411	End	4498
Name	OJ000214_10.0404.C15.o1.np	Method	AAT/NAP
Start	2411	End	4498
GI	7523517	Score	343
Exons	2411..2448, 4002..4056, 4201..4498		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47271	Seq. ID	OJ000214_10.0404.C16
Gene No.	100536	Strand	+
Start	2532	End	10634
Name	OJ000214_10.0404.C16.o2.np	Method	AAT/NAP
Start	2532	End	3855
GI	5852093	Score	71
Exons	2532..2555, 3741..3855		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	47271	Seq. ID	OJ000214_10.0404.C16
Gene No.	100536	Strand	+
Start	2532	End	10634
Name	OJ000214_10.0404.C16.o1.np	Method	AAT/NAP
Start	3731	End	5585
GI	5852093	Score	53
Exons	3731..3827, 5534..5585		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	47271	Seq. ID	OJ000214_10.0404.C16
Gene No.	100536	Strand	+
Start	2532	End	10634
Name	OJ000214_10.0404.C16.o4.np	Method	AAT/NAP
Start	4658	End	9131
GI	7339707	Score	72
Exons	4658..4755, 4796..5286, 5794..5920, 9114..9131		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	47271	Seq. ID	OJ000214_10.0404.C16
Gene No.	100536	Strand	+
Start	2532	End	10634
Name	OJ000214_10.0404.C16.o2.gs	Method	GENSCAN
Start	6238	End	10634
GI	none	Score	.65
Exons	6238..6415, 6848..6865, 6905..7062, 7692..7773, 8072..8181,		

8260..8352, 8455..8505, 8614..8706, 10377..10634

Seq. No.	47271	Seq. ID	OJ000214_10.0404.C16
Gene No.	100536	Strand	+
Start	2532	End	10634
Name	OJ000214_10.0404.C16.o1.gp	Method	AAT/GAP
Start	10104	End	10557
GI	none	Score	859
Exons	10104..10557		

Seq. No.	47271	Seq. ID	OJ000214_10.0404.C16
Gene No.	100537	Strand	-
Start	3237	End	6397
Name	OJ000214_10.0404.C16.o3.np	Method	AAT/NAP
Start	3237	End	6397
GI	7339707	Score	87
Exons	3237..3382, 4464..4573, 4801..5198, 6216..6397		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	47272	Seq. ID	OJ000214_10.0404.C20
Gene No.	100538	Strand	+
Start	1	End	69
Name	OJ000214_10.0404.C20.o1.np	Method	AAT/NAP
Start	1	End	69
GI	7076779	Score	117
Exons	1..69		
GI Descrip.	(AL132975) glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	47272	Seq. ID	OJ000214_10.0404.C20
Gene No.	100539	Strand	+
Start	45	End	704
Name	OJ000214_10.0404.C20.o1.gs	Method	GENSCAN
Start	45	End	704
GI	none	Score	.87
Exons	45..68, 382..570, 615..704		

Seq. No.	47272	Seq. ID	OJ000214_10.0404.C20
Gene No.	100540	Strand	-
Start	1	End	358
Name	OJ000214_10.0404.C20.o1.gp	Method	AAT/GAP
Start	1	End	358
GI	1742_1.R1084	Score	672
Exons	1..358		
GI Descrip.	'2144098/pir||I56573 4.0e-40 SC2 - rat >gi_256994_bbs_115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]'		

Seq. No.	47272	Seq. ID	OJ000214_10.0404.C20
Gene No.	100541	Strand	-
Start	1289	End	1411
Name	OJ000214_10.0404.C20.o2.gs	Method	GENSCAN
Start	1289	End	1411
GI	none	Score	.64
Exons	1289..1411		

Seq. No.	47273	Seq. ID	OJ000214_10.0404.C22
Gene No.	100542	Strand	+

Start	1	End	1487
Name	OJ000214_10.0404.C22.o1.gp	Method	AAT/GAP
Start	1	End	273
GI	428253	Score	535
Exons	1..273		

Seq. No.	47273	Seq. ID	OJ000214_10.0404.C22
Gene No.	100542	Strand	+
Start	1	End	1487
Name	OJ000214_10.0404.C22.o1.gs	Method	GENSCAN
Start	40	End	1266
GI	none	Score	1
Exons	40..292, 593..1266		

Seq. No.	47273	Seq. ID	OJ000214_10.0404.C22
Gene No.	100542	Strand	+
Start	1	End	1487
Name	OJ000214_10.0404.C22.o2.gp	Method	AAT/GAP
Start	1048	End	1487
GI	3767777	Score	835
Exons	1048..1487		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100543	Strand	+
Start	1270	End	3971
Name	OJ000214_10.0404.C23.o1.gs	Method	GENSCAN
Start	1270	End	3645
GI	none	Score	.7
Exons	1270..1360, 2104..2266, 2851..2928, 3540..3645		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100543	Strand	+
Start	1270	End	3971
Name	OJ000214_10.0404.C23.o1.gp	Method	AAT/GAP
Start	2068	End	3971
GI	1007_1.R1084	Score	1290
Exons	2068..2266; 2851..2928, 3540..3971		
GI Descrip.	'2497903/sp|P94029|MT21_ORYSA 2.0e-17 METALLOTHIONEIN-LIKE PROTEIN TYPE 2 >gi_1752831_dbj_BAA14038.1_ (D89931) metallothionein-like protein [Oryza sativa] >gi_1815628 (U43530) metallothionein-like type 2 [Oryza sativa]'		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100543	Strand	+
Start	1270	End	3971
Name	OJ000214_10.0404.C23.o1.np	Method	AAT/NAP
Start	2202	End	3642
GI	2497903	Score	423
Exons	2202..2266, 2851..2928, 3540..3642		
GI Descrip.	METALLOTHIONEIN-LIKE PROTEIN TYPE 2 gi|7441820|pir||T03727 metallothionein-like protein - rice gi|1752831|dbj|BAA14038.1| (D89931) metallothionein-like protein [Oryza sativa] gi|1815628|gb|AAC49627.1| (U43530) metallothionein-like type 2 [Oryza sativa]		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100544	Strand	+

Start	4944	End	8546
Name	OJ000214_10.0404.C23.o2.np	Method	AAT/NAP
Start	4944	End	8546
GI	2130082	Score	1811
Exons	4944..4985, 5252..6962, 7035..7979, 8142..8546		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100545	Strand	-
Start	4366	End	4690
Name	OJ000214_10.0404.C23.o2.gs	Method	GENSCAN
Start	4366	End	4690
GI	none	Score	.5
Exons	4366..4486, 4686..4690		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506
Name	OJ000214_10.0404.C23.o1.tc	Method	TBLASTX:Cress
Start	5382	End	8239
GI	none	Score	46
Exons	5382..5423, 5433..5504, 5433..5681, 5439..5693, 5439..5681, 5441..5569, 5448..5705, 5448..5681, 5448..5681, 5448..5693, 5451..5579, 5462..5500, 5520..5705, 5528..5665, 5685..5720, 5688..5717, 5688..5720, 5706..5915, 5706..6005, 5706..5996, 5724..6008, 5724..6014, 5724..5996, 5742..5918, 5742..6014, 5748..5864, 5877..6008, 5984..6019, 6012..6146, 6039..6146, 6227..6358, 6239..6382, 6262..6384, 6308..6457, 6320..6457, 6326..6436, 6326..6430, 6329..6436, 6329..6448, 6329..6436, 6428..6697, 6428..6667, 6431..6700, 6436..6669, 6437..6697, 6437..6697, 6437..6682, 6437..6697, 6437..6703, 6440..6697, 6442..6597, 6476..6697, 6578..6691, 6581..6703, 6701..6841, 6704..7030, 6704..7105, 6704..6922, 6707..7105, 6707..7105, 6707..7102, 6707..7105, 6707..7180, 6707..7111, 6707..7105, 6712..7032, 6767..7105, 6805..6960, 7745..7900, 8141..8239		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506
Name	OJ000214_10.0404.C23.o2.tm	Method	TBLASTX:Maize
Start	5433	End	7111
GI	none	Score	173
Exons	5433..5681, 5439..5681, 5448..5681, 5451..5609, 5462..5500, 5463..5693, 5471..5557, 5540..5665, 5685..5720, 5706..5915, 5724..5831, 5733..6005, 5742..6014, 6012..6146, 6048..6146, 6227..6328, 6326..6457, 6332..6430, 6428..6652, 6433..6669, 6437..6697, 6437..6703, 6437..6706, 6440..6697, 6488..6703, 6581..6691, 6586..6669, 6635..6691, 6704..6940, 6704..7111, 6707..7084, 6707..7111, 6707..7105, 6710..6763, 6913..7104		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506

Name	OJ000214_10.0404.C23.o2.ts	Method	TBLASTX:Soybean
Start	5433	End	7173
GI	none	Score	171
Exons	5433..5705, 5439..5681, 5445..5693, 5448..5621, 5465..5500, 5534..5665, 5631..5693, 5685..5720, 5688..5720, 5706..6005, 5721..5915, 5724..6008, 5724..5918, 5733..6005, 5733..5915, 5781..5852, 6012..6146, 6048..6146, 6095..6193, 6239..6358, 6252..6278, 6280..6318, 6329..6448, 6332..6436, 6332..6436, 6428..6667, 6431..6700, 6437..6697, 6437..6700, 6442..6669, 6479..6697, 6581..6703, 6704..7111, 6707..6886, 6707..7105, 6707..7111, 6796..7032, 6863..6967, 6896..7102, 6986..7105, 7034..7153, 7120..7173		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506
Name	OJ000214_10.0404.C23.o1.tw	Method	TBLASTX:Wheat
Start	5505	End	7105
GI	none	Score	83
Exons	5505..5693, 5670..5915, 6209..6397, 6212..6436, 6223..6438, 6232..6438, 6332..6436, 6425..6508, 6428..6580, 6437..6625, 6439..6558, 6443..6580, 6602..6898, 6730..6897, 6746..7015, 6821..6907, 6986..7105		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506
Name	OJ000214_10.0404.C23.o1.ts	Method	TBLASTX:Soybean
Start	7388	End	8323
GI	none	Score	66
Exons	7388..7468, 7414..7461, 7489..7692, 7490..7693, 7742..7900, 7744..7884, 8140..8247, 8141..8323		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506
Name	OJ000214_10.0404.C23.o2.tc	Method	TBLASTX:Cress
Start	7388	End	7702
GI	none	Score	256
Exons	7388..7702, 7435..7683		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506
Name	OJ000214_10.0404.C23.o1.tm	Method	TBLASTX:Maize
Start	7523	End	7968
GI	none	Score	504
Exons	7523..7900, 7525..7953, 7525..7689, 7539..7697, 7541..7924, 7744..7968		

Seq. No.	47274	Seq. ID	OJ000214_10.0404.C23
Gene No.	100546	Strand	
Start	5382	End	8506
Name	OJ000214_10.0404.C23.o3.tm	Method	TBLASTX:Maize
Start	8140	End	8506
GI	none	Score	239
Exons	8140..8316, 8141..8506		

Seq. No.	47275	Seq. ID	OJ000214_10.0404.C24
Gene No.	100547	Strand	+
Start	915	End	1890
Name	OJ000214_10.0404.C24.o1.gs	Method	GENSCAN
Start	915	End	1874
GI	none	Score	.72
Exons	915..1518, 1702..1874		

Seq. No.	47275	Seq. ID	OJ000214_10.0404.C24
Gene No.	100547	Strand	+
Start	915	End	1890
Name	OJ000214_10.0404.C24.o1.np	Method	AAT/NAP
Start	1503	End	1890
GI	6649087	Score	652
Exons	1503..1890		
GI Descrip.	(AF146270) resistance gene analog PIC23 [Oryza sativa]		

Seq. No.	47276	Seq. ID	OJ000214_10.0404.C25
Gene No.	100548	Strand	-
Start	330	End	563
Name	OJ000214_10.0404.C25.o1.gs	Method	GENSCAN
Start	330	End	563
GI	none	Score	.79
Exons	330..563		

Seq. No.	47276	Seq. ID	OJ000214_10.0404.C25
Gene No.	100549	Strand	-
Start	864	End	1413
Name	OJ000214_10.0404.C25.o1.np	Method	AAT/NAP
Start	864	End	1413
GI	7228450	Score	234
Exons	864..985, 1075..1213, 1348..1413		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47277	Seq. ID	OJ000214_10.0404.C29
Gene No.	100550	Strand	+
Start	322	End	675
Name	OJ000214_10.0404.C29.o1.gs	Method	GENSCAN
Start	322	End	675
GI	none	Score	.93
Exons	322..395, 484..675		

Seq. No.	47278	Seq. ID	OJ000214_10.0404.C30
Gene No.	100551	Strand	+
Start	1	End	1330
Name	OJ000214_10.0404.C30.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	7406426	Score	348
Exons	1..24, 538..859, 958..1085, 1248..1330		
GI Descrip.	(AL162874) ubiquitin-protein ligase E3-alpha-like protein [Arabidopsis thaliana]		

Seq. No.	47278	Seq. ID	OJ000214_10.0404.C30
Gene No.	100551	Strand	+
Start	1	End	1330
Name	OJ000214_10.0404.C30.o1.gs	Method	GENSCAN

Start	111	End	1098
GI	none	Score	.86
Exons	111..877, 958..1098		

Seq. No.	47278	Seq. ID	OJ000214_10.0404.C30
Gene No.	100551	Strand	+
Start	1	End	1330
Name	OJ000214_10.0404.C30.o1.tm	Method	TBLASTX:Maize
Start	491	End	794
GI	none	Score	278
Exons	491..670, 492..671, 495..671, 699..794	499..672, 689..793, 690..794,	

Seq. No.	47278	Seq. ID	OJ000214_10.0404.C30
Gene No.	100551	Strand	+
Start	1	End	1330
Name	OJ000214_10.0404.C30.o1.gp	Method	AAT/GAP
Start	994	End	1124
GI	LIB3474-012-P1-K1-G1	Score	176
Exons	994..1124		
GI Descrip.	'2224639/dbj|BAA20806| 6.0e-11 (AB002347) KIAA0349 [Homo sapiens]'		

Seq. No.	47279	Seq. ID	OJ000224_10.0403.C2
Gene No.	100552	Strand	+
Start	2475	End	3000
Name	OJ000224_10.0403.C2.o1.gs	Method	GENSCAN
Start	2475	End	3000
GI	none	Score	.49
Exons	2475..2537, 2640..2852, 2938..3000		

Seq. No.	47279	Seq. ID	OJ000224_10.0403.C2
Gene No.	100553	Strand	+
Start	3519	End	4436
Name	OJ000224_10.0403.C2.o2.gs	Method	GENSCAN
Start	3519	End	4436
GI	none	Score	.5
Exons	3519..3676, 4388..4436		

Seq. No.	47279	Seq. ID	OJ000224_10.0403.C2
Gene No.	100554	Strand	-
Start	1550	End	2209
Name	OJ000224_10.0403.C2.o1.np	Method	AAT/NAP
Start	1550	End	2209
GI	6498436	Score	257
Exons	1550..1672, 1933..2209		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	47280	Seq. ID	OJ000224_10.0403.C5
Gene No.	100555	Strand	+
Start	1	End	851
Name	OJ000224_10.0403.C5.o1.np	Method	AAT/NAP
Start	1	End	851
GI	4544372	Score	395
Exons	1..851		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	47280	Seq. ID	OJ000224_10.0403.C5
Gene No.	100555	Strand	+
Start	1	End	851
Name	OJ000224_10.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	34	End	351
GI	none	Score	192
Exons	34..351		

Seq. No.	47280	Seq. ID	OJ000224_10.0403.C5
Gene No.	100555	Strand	+
Start	1	End	851
Name	OJ000224_10.0403.C5.o1.tw	Method	TBLASTX:Wheat
Start	178	End	471
GI	none	Score	136
Exons	178..342, 367..471		

Seq. No.	47280	Seq. ID	OJ000224_10.0403.C5
Gene No.	100555	Strand	+
Start	1	End	851
Name	OJ000224_10.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	199	End	597
GI	none	Score	209
Exons	199..597, 304..417		

Seq. No.	47280	Seq. ID	OJ000224_10.0403.C5
Gene No.	100555	Strand	+
Start	1	End	851
Name	OJ000224_10.0403.C5.o1.gs	Method	GENSCAN
Start	286	End	747
GI	none	Score	.74
Exons	286..747		

Seq. No.	47281	Seq. ID	OJ000224_10.0403.C6
Gene No.	100556	Strand	+
Start	9	End	791
Name	OJ000224_10.0403.C6.o1.gs	Method	GENSCAN
Start	9	End	791
GI	none	Score	1
Exons	9..791		

Seq. No.	47282	Seq. ID	OJ000224_10.0403.C7
Gene No.	100557	Strand	-
Start	3524	End	3742
Name	OJ000224_10.0403.C7.o1.np	Method	AAT/NAP
Start	3524	End	3742
GI	6498436	Score	141
Exons	3524..3657, 3716..3742		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8
Gene No.	100558	Strand	+
Start	5272	End	6043
Name	OJ000224_10.0403.C8.o2.np	Method	AAT/NAP
Start	5272	End	6043
GI	4680183	Score	190
Exons	5272..5347, 5954..6043		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8
Gene No.	100559	Strand	+
Start	7262	End	7883
Name	OJ000224_10.0403.C8.o3.np	Method	AAT/NAP
Start	7262	End	7883
GI	6721559	Score	373
Exons	7262..7712, 7745..7883		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8
Gene No.	100560	Strand	-
Start	1	End	3418
Name	OJ000224_10.0403.C8.o1.np	Method	AAT/NAP
Start	1	End	3418
GI	6815052	Score	1023
Exons	1..314, 362..484, 1350..1442, 2332..2431, 2728..2845, 3109..3187, 3269..3418		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8
Gene No.	100560	Strand	-
Start	1	End	3418
Name	OJ000224_10.0403.C8.o1.gs	Method	GENSCAN
Start	367	End	1196
GI	none	Score	.61
Exons	367..773, 1132..1196		

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8
Gene No.	100560	Strand	-
Start	1	End	3418
Name	OJ000224_10.0403.C8.o2.gs	Method	GENSCAN
Start	3260	End	3418
GI	none	Score	.87
Exons	3260..3418		

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8
Gene No.	100561	Strand	-
Start	4705	End	9862
Name	OJ000224_10.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	632	End	1125
GI	none	Score	61
Exons	632..853, 642..851, 865..927, 943..1125		

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8
Gene No.	100561	Strand	-
Start	4705	End	9862
Name	OJ000224_10.0403.C8.o3.gs	Method	GENSCAN
Start	4705	End	8682
GI	none	Score	.5
Exons	4705..4808, 4993..5134, 6781..7031, 7079..7144, 7225..7382, 7724..7735, 8613..8682		

Seq. No.	47283	Seq. ID	OJ000224_10.0403.C8

Gene No.	100561	Strand	-
Start	4705	End	9862
Name	OJ000224_10.0403.C8.o4.np	Method	AAT/NAP
Start	8145	End	9862
GI	4680179	Score	274
Exons	8145..8339, 9798..9862		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100562	Strand	+
Start	158	End	4380
Name	OJ000224_10.0403.C9.o1.gs	Method	GENSCAN
Start	158	End	4380
GI	none	Score	.71
Exons	158..396, 489..593, 1376..1431, 3672..3856, 3928..4380		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100562	Strand	+
Start	158	End	4380
Name	OJ000224_10.0403.C9.o1.gp	Method	AAT/GAP
Start	1382	End	1763
GI	uC-osflcyp033a04b1	Score	671
Exons	1382..1763		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100563	Strand	+
Start	8054	End	8435
Name	OJ000224_10.0403.C9.o3.gp	Method	AAT/GAP
Start	8054	End	8435
GI	uC-osflcyp033a04b1	Score	651
Exons	8054..8435		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o1.np	Method	AAT/NAP
Start	1	End	1669
GI	5852180	Score	508
Exons	1..50, 111..552, 604..722, 1612..1669		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o3.np	Method	AAT/NAP
Start	1	End	10433
GI	5852180	Score	520
Exons	1..50, 111..552, 604..722, 1612..1665, 3576..3750, 3891..4295, 9942..10067, 10199..10433		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-

Start	1	End	10433
Name	OJ000224_10.0403.C9.o2.np	Method	AAT/NAP
Start	3806	End	5849
GI	4680179	Score	1309
Exons	3806..3825, 4995..5849		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o2.tw	Method	TBLASTX:Wheat
Start	4995	End	5184
GI	none	Score	98
Exons	4995..5183, 5044..5184		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	5031	End	5630
GI	none	Score	262
Exons	5031..5471, 5047..5472, 5469..5630, 5476..5622		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o2.gs	Method	GENSCAN
Start	5136	End	7147
GI	none	Score	.66
Exons	5136..5593, 5712..5779, 6730..6990, 7083..7147		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	5184	End	5810
GI	none	Score	370
Exons	5184..5810, 5185..5808		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	5631	End	5852
GI	none	Score	178
Exons	5631..5852, 5632..5841		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-
Start	1	End	10433
Name	OJ000224_10.0403.C9.o3.gs	Method	GENSCAN
Start	7510	End	10355
GI	none	Score	.81
Exons	7510..7556, 8034..8187, 9651..10355		

Seq. No.	47284	Seq. ID	OJ000224_10.0403.C9
Gene No.	100564	Strand	-

Start	1	End	10433
Name	OJ000224_10.0403.C9.o4.gp	Method	AAT/GAP
Start	8684	End	8759
GI	uC-osflcyp158c04a1	Score	85
Exons	8684..8759		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	47285	Seq. ID	OJ000224_10.0403.C10
Gene No.	100565	Strand	+
Start	1	End	1294
Name	OJ000224_10.0403.C10.o1.gp	Method	AAT/GAP
Start	1	End	493
GI	LIB3434-038-P1-K1-F1	Score	760
Exons	1..493		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47285	Seq. ID	OJ000224_10.0403.C10
Gene No.	100565	Strand	+
Start	1	End	1294
Name	OJ000224_10.0403.C10.o1.gs	Method	GENSCAN
Start	119	End	1294
GI	none	Score	.54
Exons	119..279, 718..744, 874..896, 1228..1294		

Seq. No.	47285	Seq. ID	OJ000224_10.0403.C10
Gene No.	100566	Strand	-
Start	1449	End	1585
Name	OJ000224_10.0403.C10.o2.gs	Method	GENSCAN
Start	1449	End	1585
GI	none	Score	.79
Exons	1449..1585		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o1.np	Method	AAT/NAP
Start	1	End	1233
GI	7248394	Score	981
Exons	1..957, 1210..1233		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o2.np	Method	AAT/NAP
Start	1	End	1233
GI	4417309	Score	530
Exons	1..622, 713..1233		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	51	End	512
GI	none	Score	535
Exons	51..512, 51..332, 200..511		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o1.tw	Method	TBLASTX:Wheat
Start	156	End	581
GI	none	Score	249
Exons	156..485, 200..514, 480..581		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	198	End	668
GI	none	Score	223
Exons	198..479, 236..484, 480..668, 512..655		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o1.gs	Method	GENSCAN
Start	252	End	1205
GI	none	Score	.64
Exons	252..405, 853..1016, 1104..1205		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o2.ts	Method	TBLASTX:Soybean
Start	819	End	1231
GI	none	Score	143
Exons	819..956, 821..952, 900..956, 977..1231, 978..1229		

Seq. No.	47286	Seq. ID	OJ000224_10.0403.C11
Gene No.	100567	Strand	+
Start	1	End	1233
Name	OJ000224_10.0403.C11.o2.tw	Method	TBLASTX:Wheat
Start	864	End	1232
GI	none	Score	71
Exons	864..953, 993..1232, 1004..1198		

Seq. No.	47287	Seq. ID	OJ000224_10.0403.C12
Gene No.	100568	Strand	+
Start	1	End	659
Name	OJ000224_10.0403.C12.o1.gp	Method	AAT/GAP
Start	1	End	659
GI	17389_1.R1084	Score	622
Exons	1..105, 184..344, 582..659		
GI Descrip.	'6006869/gb|AAF00645.1|AC009540_22 2.0e-34 (AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]'		

Seq. No.	47287	Seq. ID	OJ000224_10.0403.C12
Gene No.	100569	Strand	
Start	623	End	808
Name	OJ000224_10.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	623	End	808
GI	none	Score	227
Exons	623..757, 623..754, 637..765, 637..756, 758..808		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100570	Strand	+
Start	385	End	17236
Name	OJ000224_10.0403.C13.o1.gs	Method	GENSCAN
Start	385	End	17236
GI	none	Score	.69
Exons	385..449, 2175..2601, 3736..3937, 4106..4190, 4529..4647, 4724..4820, 4899..5071, 5173..5239, 6001..6159, 6596..6739, 6877..6942, 8081..8904, 9019..9610, 9893..9983, 12802..12921, 13171..13279, 13913..14059, 14154..14169, 14966..14995, 15279..15456, 15573..15713, 16144..16317, 16772..16912, 17124..17236		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100570	Strand	+
Start	385	End	17236
Name	OJ000224_10.0403.C13.o1.np	Method	AAT/NAP
Start	2487	End	7609
GI	6006869	Score	1530
Exons	2487..2601, 3736..3937, 4106..4199, 4260..4432, 4529..4647, 4724..4820, 4899..5071, 5173..5239, 6001..6159, 6301..6441, 6581..6739, 6830..6942, 7036..7111, 7465..7609		
GI Descrip.	(AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100570	Strand	+
Start	385	End	17236
Name	OJ000224_10.0403.C13.o1.gp	Method	AAT/GAP
Start	4767	End	6168
GI	702217	Score	721
Exons	4767..4820, 4899..5071, 5173..5239, 6001..6168		
GI Descrip.	6006869/gb|AAF00645.1|AC009540_22 2.0e-34 (AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100570	Strand	+
Start	385	End	17236
Name	OJ000224_10.0403.C13.o2.gp	Method	AAT/GAP
Start	6463	End	7805
GI	65156_1.R1084	Score	1323
Exons	6463..6544, 6631..6739, 6830..6942, 7036..7111, 7465..7805		
GI Descrip.	'6006869/gb|AAF00645.1|AC009540_22 1.0e-29 (AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]'		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100570	Strand	+
Start	385	End	17236

Name	OJ000224_10.0403.C13.o2.np	Method	AAT/NAP
Start	12926	End	13721
GI	6630699	Score	96
Exons	12926..12986, 13636..13721		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100570	Strand	+
Start	385	End	17236
Name	OJ000224_10.0403.C13.o3.np	Method	AAT/NAP
Start	13848	End	14295
GI	6539570	Score	173
Exons	13848..14051, 14229..14295		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100571	Strand	-
Start	13639	End	14064
Name	OJ000224_10.0403.C13.o3.gp	Method	AAT/GAP
Start	13639	End	14064
GI	LIB3479-006-Q6-K1-B11	Score	644
Exons	13639..14064		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o2.tc	Method	TBLASTX:Cress
Start	2493	End	3938
GI	none	Score	87
Exons	2493..2606, 3734..3937, 3735..3938		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	3734	End	3934
GI	none	Score	283
Exons	3734..3934, 3735..3932		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	4288	End	7576
GI	none	Score	97
Exons	4288..4431, 4291..4431, 4292..4432, 4292..4432, 4505..4648, 4509..4631, 4526..4642, 4528..4647, 4718..4822, 4725..4826, 4727..4822, 4743..4823, 4898..5074, 4899..5072, 5164..5238, 5173..5226, 5997..6164, 5998..6162, 6299..6463, 6300..6464, 6300..6464, 6301..6465, 6496..6540, 6627..6737, 6641..6745, 6836..6943, 6840..6944, 7028..7111, 7035..7112, 7429..7569, 7436..7576, 7465..7575		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	4346	End	5037
GI	none	Score	51
Exons	4346..4432, 4349..4432, 4514..4648, 4541..4651, 4724..4834, 4725..4826, 4896..5018, 4898..5035, 4899..5036, 4957..5037		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o3.ts	Method	TBLASTX:Soybean
Start	4929	End	5239
GI	none	Score	195
Exons	4929..5081, 4940..5077, 4962..5078, 5170..5235, 5171..5239		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o2.ts	Method	TBLASTX:Soybean
Start	5998	End	6369
GI	none	Score	216
Exons	5998..6162, 5998..6159, 6000..6164, 6309..6368, 6310..6369		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o3.tc	Method	TBLASTX:Cress
Start	5998	End	7603
GI	none	Score	250
Exons	5998..6162, 6000..6164, 6300..6407, 6301..6405, 6854..6943, 6900..6944, 7028..7114, 7035..7112, 7147..7224, 7429..7575, 7436..7603		

Seq. No.	47288	Seq. ID	OJ000224_10.0403.C13
Gene No.	100572	Strand	-
Start	17534	End	18629
Name	OJ000224_10.0403.C13.o2.gs	Method	GENSCAN
Start	17534	End	18629
GI	none	Score	.74
Exons	17534..17659, 18411..18629		

Seq. No.	47289	Seq. ID	OJ000224_10.0403.C14
Gene No.	100573	Strand	+
Start	581	End	1186
Name	OJ000224_10.0403.C14.o1.gs	Method	GENSCAN
Start	581	End	1186
GI	none	Score	.7
Exons	581..816, 1117..1186		

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100574	Strand	+
Start	1	End	8966
Name	OJ000224_10.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	6524
GI	7228438	Score	1570

Exons	1..1190, 1525..1635, 2811..3269, 3362..3668, 3767..4020, 4275..4457, 6448..6524
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100574	Strand	+
Start	1	End	8966
Name	OJ000224_10.0403.C15.o1.gs	Method	GENSCAN
Start	170	End	1851
GI	none	Score	.83
Exons	170..646, 667..1851		

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100574	Strand	+
Start	1	End	8966
Name	OJ000224_10.0403.C15.o2.gs	Method	GENSCAN
Start	2270	End	8966
GI	none	Score	.76
Exons	2270..2418, 2501..3269, 3362..3660, 3753..4020, 4275..4652, 4689..4809, 4907..5043, 6252..6546, 6955..7013, 7210..7338, 7816..7892, 8828..8966		

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100575	Strand	-
Start	8853	End	12124
Name	OJ000224_10.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	208	End	789
GI	none	Score	135
Exons	208..330, 209..361, 361..603, 362..604, 709..789, 711..737		

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100575	Strand	-
Start	8853	End	12124
Name	OJ000224_10.0403.C15.o1.tw	Method	TBLASTX:Wheat
Start	499	End	885
GI	none	Score	147
Exons	499..627, 500..631, 500..634, 688..885, 696..743, 700..789, 722..808		

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100575	Strand	-
Start	8853	End	12124
Name	OJ000224_10.0403.C15.o2.tw	Method	TBLASTX:Wheat
Start	2583	End	2912
GI	none	Score	90
Exons	2583..2636, 2591..2647, 2645..2773, 2646..2774, 2808..2843, 2880..2912		

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100575	Strand	-
Start	8853	End	12124
Name	OJ000224_10.0403.C15.o2.np	Method	AAT/NAP
Start	8853	End	10277
GI	5852084	Score	81
Exons	8853..8935, 10224..10277		

GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No.	47290	Seq. ID	OJ000224_10.0403.C15
Gene No.	100575	Strand	-
Start	8853	End	12124
Name	OJ000224_10.0403.C15.o3.gs	Method	GENSCAN
Start	9152	End	12124
GI	none	Score	.74
Exons	9152..9438, 9598..9684, 11022..11277, 11322..11699, 11881..11996, 12045..12124		

Seq. No.	47291	Seq. ID	OJ000224_10.0403.C16
Gene No.	100576	Strand	-
Start	199	End	402
Name	OJ000224_10.0403.C16.o1.gs	Method	GENSCAN
Start	199	End	402
GI	none	Score	.42
Exons	199..402		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100577	Strand	-
Start	1	End	2708
Name	OJ000224_10.0403.C18.o1.np	Method	AAT/NAP
Start	1	End	1859
GI	6691218	Score	367
Exons	1..27, 225..348, 458..520, 1098..1278, 1376..1510, 1582..1859		
GI Descrip.	(AC007508) F1K23.6 [Arabidopsis thaliana]		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100577	Strand	-
Start	1	End	2708
Name	OJ000224_10.0403.C18.o1.gs	Method	GENSCAN
Start	120	End	2642
GI	none	Score	.94
Exons	120..146, 256..348, 458..520, 1098..1243, 1353..1510, 1582..1774, 2414..2642		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100577	Strand	-
Start	1	End	2708
Name	OJ000224_10.0403.C18.o2.gp	Method	AAT/GAP
Start	1610	End	2708
GI	5004790	Score	900
Exons	1610..1774, 2414..2708		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100578	Strand	-
Start	3371	End	10681
Name	OJ000224_10.0403.C18.o2.gs	Method	GENSCAN
Start	3371	End	10681
GI	none	Score	.78
Exons	3371..3481, 3736..3885, 3980..4107, 4287..4311, 4448..4533, 4647..4810, 6121..6149, 6245..6355, 7145..7195, 7873..7930, 8371..8456, 9052..9138, 9274..9335, 9770..9838, 10432..10681		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100578	Strand	-

Start	3371	End	10681
Name	OJ000224_10.0403.C18.o3.gp	Method	AAT/GAP
Start	7024	End	9333
GI	uC-osf1cyp029e10b1	Score	901
Exons	7024..7060, 7145..7195, 7396..7446, 7873..7930, 8371..8456, 8556..8604, 8703..8770, 9052..9138, 9274..9333		
GI Descrip.	'4753659/emb|CAB41935.1| 5.0e-27 (AL049751) putative protein [Arabidopsis thaliana]'		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100579	Strand	-
Start	11160	End	11396
Name	OJ000224_10.0403.C18.o3.tm	Method	TBLASTX:Maize
Start	250	End	508
GI	none	Score	112
Exons	250..348, 254..337, 256..342, 451..507, 451..507, 452..508, 455..508		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100579	Strand	-
Start	11160	End	11396
Name	OJ000224_10.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	1428	End	1787
GI	none	Score	82
Exons	1428..1523, 1429..1512, 1430..1534, 1580..1777, 1584..1787, 1585..1785		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100579	Strand	-
Start	11160	End	11396
Name	OJ000224_10.0403.C18.o2.tm	Method	TBLASTX:Maize
Start	7149	End	8619
GI	none	Score	63
Exons	7149..7196, 7163..7195, 7395..7448, 7396..7449, 7397..7447, 8370..8456, 8371..8457, 8371..8457, 8372..8458, 8556..8618, 8557..8619		

Seq. No.	47292	Seq. ID	OJ000224_10.0403.C18
Gene No.	100579	Strand	-
Start	11160	End	11396
Name	OJ000224_10.0403.C18.o2.np	Method	AAT/NAP
Start	11160	End	11396
GI	6069646	Score	221
Exons	11160..11396		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47293	Seq. ID	OJ000224_10.0403.C19
Gene No.	100580	Strand	-
Start	1	End	599
Name	OJ000224_10.0403.C19.o1.np	Method	AAT/NAP
Start	1	End	599
GI	7248394	Score	401
Exons	1..526, 558..599		

GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	47293	Seq. ID	OJ000224_10.0403.C19
Gene No.	100580	Strand	-
Start	1	End	599
Name	OJ000224_10.0403.C19.o1.gs	Method	GENSCAN
Start	109	End	587
GI	none	Score	.81
Exons	109..335, 558..587		

Seq. No.	47294	Seq. ID	OJ000314_07.0411.C1
Gene No.	100581	Strand	-
Start	1302	End	2808
Name	OJ000314_07.0411.C1.o1.gs	Method	GENSCAN
Start	1302	End	2798
GI	none	Score	.94
Exons	1302..1433, 2595..2651, 2730..2798		

Seq. No.	47294	Seq. ID	OJ000314_07.0411.C1
Gene No.	100581	Strand	-
Start	1302	End	2808
Name	OJ000314_07.0411.C1.o1.gp	Method	AAT/GAP
Start	2263	End	2762
GI	426499	Score	624
Exons	2263..2525, 2595..2651, 2730..2762		
GI Descrip.	3810592 7.0e-12 (AC005398) unknown protein [Arabidopsis thaliana]		

Seq. No.	47294	Seq. ID	OJ000314_07.0411.C1
Gene No.	100581	Strand	-
Start	1302	End	2808
Name	OJ000314_07.0411.C1.o1.tm	Method	TBLASTX:Maize
Start	2383	End	2808
GI	none	Score	65
Exons	2383..2481, 2385..2486, 2481..2528, 2578..2652, 2591..2650, 2595..2651, 2730..2807, 2730..2807, 2731..2808		

Seq. No.	47295	Seq. ID	OJ000314_07.0411.C2
Gene No.	100582	Strand	+
Start	1309	End	3705
Name	OJ000314_07.0411.C2.o1.gs	Method	GENSCAN
Start	1309	End	3705
GI	none	Score	.56
Exons	1309..1455, 3255..3330, 3657..3705		

Seq. No.	47295	Seq. ID	OJ000314_07.0411.C2
Gene No.	100583	Strand	-
Start	1	End	2217
Name	OJ000314_07.0411.C2.o1.np	Method	AAT/NAP
Start	1	End	2215
GI	3810592	Score	255
Exons	1..258, 1003..1064, 1182..1265, 1787..1825, 1923..2031, 2119..2215		

GI Descrip. (AC005398) unknown protein [Arabidopsis thaliana]

Seq. No.	47295	Seq. ID	OJ000314_07.0411.C2
Gene No.	100583	Strand	-
Start	1	End	2217
Name	OJ000314_07.0411.C2.o1.gp	Method	AAT/GAP
Start	154	End	2007
GI	2428450	Score	656
Exons	154..258, 1003..1064, 1182..1265, 1787..1825, 1923..2007		
GI Descrip.	3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis thaliana]		

Seq. No.	47295	Seq. ID	OJ000314_07.0411.C2
Gene No.	100583	Strand	-
Start	1	End	2217
Name	OJ000314_07.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	1004	End	2217
GI	none	Score	61
Exons	1004..1066, 1006..1065, 1182..1274, 1186..1266, 1787..1828, 1788..1820, 1923..2033, 1924..2034, 2118..2171, 2119..2172, 2119..2169, 2163..2216, 2164..2217		

Seq. No.	47296	Seq. ID	OJ000314_07.0411.C3
Gene No.	100584	Strand	-
Start	23	End	3234
Name	OJ000314_07.0411.C3.o1.gs	Method	GENSCAN
Start	23	End	3234
GI	none	Score	.57
Exons	23..259, 875..937, 1641..1703, 3168..3234		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100585	Strand	+
Start	1040	End	1177
Name	OJ000314_07.0411.C4.o1.gs	Method	GENSCAN
Start	1040	End	1177
GI	none	Score	.79
Exons	1040..1177		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100586	Strand	+
Start	4956	End	20269
Name	OJ000314_07.0411.C4.o3.gs	Method	GENSCAN
Start	4956	End	20269
GI	none	Score	.54
Exons	4956..5015, 5197..5367, 7519..7609, 8034..8174, 8192..8366, 9358..9508, 11617..11738, 13652..13899, 13968..14083, 15910..16021, 19809..20269		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100586	Strand	+
Start	4956	End	20269
Name	OJ000314_07.0411.C4.o5.gp	Method	AAT/GAP
Start	14440	End	15598
GI	none	Score	916
Exons	14440..14791, 15229..15278, 15493..15598		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4

Gene No.	100587	Strand	+
Start	20375	End	20686
Name	OJ000314_07.0411.C4.o4.gs	Method	GENSCAN
Start	20375	End	20686
GI	none	Score	.43
Exons	20375..20686		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100588	Strand	+
Start	31366	End	39289
Name	OJ000314_07.0411.C4.o3.np	Method	AAT/NAP
Start	31366	End	38360
GI	7485769	Score	1263
Exons	31366..31443, 33233..33361, 34722..34809, 35687..35895, 36260..36411, 36600..37020, 37471..37568, 37880..38085, 38197..38360		
GI Descrip.	hypothetical protein F19F18.160 - Arabidopsis thaliana gi|4468992|emb|CAB38306.1| (AL035605) putative protein [Arabidopsis thaliana] gi|7270749|emb|CAB80432.1| (AL161591) putative protein [Arabidopsis thaliana]		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100588	Strand	+
Start	31366	End	39289
Name	OJ000314_07.0411.C4.o6.gs	Method	GENSCAN
Start	31828	End	38991
GI	none	Score	.9
Exons	31828..31858, 32354..32536, 32927..33141, 34722..34809, 35687..35895, 36260..36411, 36600..37020, 37471..37568, 37974..38085, 38197..38355, 38876..38991		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100588	Strand	+
Start	31366	End	39289
Name	OJ000314_07.0411.C4.o7.gp	Method	AAT/GAP
Start	37980	End	39289
GI	3767217	Score	593
Exons	37980..38085, 38197..38355, 38920..38991, 39266..39289		
GI Descrip.	3445208/gb|AAC32438.1| 4.0e-39 (AC004786) putative amino-acid acetyltransferase [Arabidopsis thaliana]		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100589	Strand	-
Start	1	End	16441
Name	OJ000314_07.0411.C4.o1.np	Method	AAT/NAP
Start	1	End	16441
GI	7488401	Score	198
Exons	1..68, 2085..2182, 10122..10899, 16343..16441		
GI Descrip.	trehalose-6-phosphate synthase homolog F17O7.18 - Arabidopsis thaliana gi|3176687|gb|AAC18810.1| (AC003671) Strong similarity to trehalose-6-phosphate synthase homolog from A. thaliana chromosome 4 contig gb|Z97344. ESTs gb|H37594, gb|R65023, gb|H37578 and gb|R64855 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100589	Strand	-

Start	1	End	16441
Name	OJ000314_07.0411.C4.o2.gs	Method	GENSCAN
Start	1658	End	3834
GI	none	Score	.59
Exons	1658..2088, 2166..2450, 2537..2791, 3153..3276, 3781..3834		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100589	Strand	-
Start	1	End	16441
Name	OJ000314_07.0411.C4.o1.gp	Method	AAT/GAP
Start	5704	End	6337
GI	20494_3.R1084	Score	1159
Exons	5704..6337		
GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100589	Strand	-
Start	1	End	16441
Name	OJ000314_07.0411.C4.o2.gp	Method	AAT/GAP
Start	6616	End	7365
GI	20494_1.R1084	Score	1280
Exons	6616..7365		
GI Descrip.	'5230728/gb|AAD40979.1|AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100589	Strand	-
Start	1	End	16441
Name	OJ000314_07.0411.C4.o3.gp	Method	AAT/GAP
Start	7058	End	7367
GI	3759000	Score	516
Exons	7058..7367		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100590	Strand	-
Start	23235	End	31489
Name	OJ000314_07.0411.C4.o6.tm	Method	TBLASTX:Maize
Start	809	End	1497
GI	none	Score	91
Exons	809..988, 810..971, 843..1034, 864..1019, 881..994, 888..1025, 915..1031, 917..943, 1029..1124, 1052..1204, 1053..1205, 1055..1204, 1064..1219, 1064..1246, 1066..1218, 1070..1249, 1079..1237, 1098..1226, 1101..1226, 1102..1227, 1193..1387, 1229..1336, 1247..1351, 1250..1351, 1359..1439, 1406..1480, 1407..1484, 1408..1497, 1408..1470		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100590	Strand	-
Start	23235	End	31489
Name	OJ000314_07.0411.C4.o5.tm	Method	TBLASTX:Maize
Start	10122	End	10499
GI	none	Score	44
Exons	10122..10163, 10129..10161, 10189..10278, 10191..10277, 10196..10279, 10199..10279, 10281..10445, 10286..10459, 10286..10459, 10302..10460, 10461..10499		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100590	Strand	-
Start	23235	End	31489
Name	OJ000314_07.0411.C4.o5.gs	Method	GENSCAN
Start	23235	End	31489
GI	none	Score	.52
Exons	23235..23395, 25688..25785, 25974..26334, 26409..26541, 26560..26695, 26837..27219, 27786..27909, 28689..28988, 28999..29163, 31440..31489		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100590	Strand	-
Start	23235	End	31489
Name	OJ000314_07.0411.C4.o2.np	Method	AAT/NAP
Start	25959	End	27089
GI	6907106	Score	476
Exons	25959..26146, 26219..26533, 26733..27089		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100590	Strand	-
Start	23235	End	31489
Name	OJ000314_07.0411.C4.o3.tm	Method	TBLASTX:Maize
Start	26060	End	26404
GI	none	Score	180
Exons	26060..26242, 26064..26105, 26124..26261, 26170..26202, 26232..26303, 26253..26393, 26284..26397, 26284..26397, 26306..26404		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100591	Strand	
Start	33271	End	36321
Name	OJ000314_07.0411.C4.o1.tm	Method	TBLASTX:Maize
Start	33271	End	36321
GI	none	Score	103
Exons	33271..33357, 33272..33358, 34746..34811, 34752..34814, 35673..35894, 35685..35816, 35686..35895, 35686..35895, 36257..36319, 36257..36319, 36259..36321, 36259..36321		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100592	Strand	
Start	36594	End	36957
Name	OJ000314_07.0411.C4.o1.tw	Method	TBLASTX:Wheat
Start	36594	End	36956
GI	none	Score	475
Exons	36594..36956, 36598..36954		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100592	Strand	
Start	36594	End	36957
Name	OJ000314_07.0411.C4.o2.tm	Method	TBLASTX:Maize
Start	36673	End	36957
GI	none	Score	314
Exons	36673..36957, 36673..36954, 36675..36956		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100593	Strand	
Start	36957	End	38998
Name	OJ000314_07.0411.C4.o4.tm	Method	TBLASTX:Maize
Start	36957	End	38998
GI	none	Score	96
Exons	36957..37016, 36958..37020, 37464..37574, 37465..37569, 37971..38078, 37972..38088, 37975..38085, 37982..38092, 38195..38272, 38196..38273, 38196..38273, 38197..38274, 38276..38350, 38277..38351, 38910..38960, 38915..38959, 38947..38997, 38948..38998		

Seq. No.	47297	Seq. ID	OJ000314_07.0411.C4
Gene No.	100593	Strand	
Start	36957	End	38998
Name	OJ000314_07.0411.C4.o1.ts	Method	TBLASTX:Soybean
Start	38014	End	38998
GI	none	Score	86
Exons	38014..38088, 38016..38087, 38194..38268, 38196..38291, 38197..38271, 38273..38353, 38277..38354, 38903..38998		

Seq. No.	47298	Seq. ID	OJ000314_07.0411.C5
Gene No.	100594	Strand	+
Start	1	End	111
Name	OJ000314_07.0411.C5.o1.gp	Method	AAT/GAP
Start	1	End	111
GI	3767217	Score	201
Exons	1..111		
GI Descrip.	3445208/gb|AAC32438.1| 4.0e-39 (AC004786) putative amino-acid acetyltransferase [Arabidopsis thaliana]		

Seq. No.	47298	Seq. ID	OJ000314_07.0411.C5
Gene No.	100595	Strand	+
Start	2058	End	2854
Name	OJ000314_07.0411.C5.o1.np	Method	AAT/NAP
Start	2058	End	2854
GI	5091500	Score	155
Exons	2058..2360, 2389..2489, 2686..2854		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	47298	Seq. ID	OJ000314_07.0411.C5
Gene No.	100596	Strand	-
Start	547	End	2439
Name	OJ000314_07.0411.C5.o2.gp	Method	AAT/GAP
Start	357	End	1887
GI	4992_1.R1084	Score	1134
Exons	357..669, 1506..1707, 1794..1887		
GI Descrip.	'1808687/emb|Y10784|SSY10784 2.0e-25 S.stapfianus pSD.13 mRNA'		

Seq. No.	47298	Seq. ID	OJ000314_07.0411.C5
Gene No.	100596	Strand	-
Start	547	End	2439
Name	OJ000314_07.0411.C5.o1.gs	Method	GENSCAN
Start	547	End	2439
GI	none	Score	.56
Exons	547..669, 1377..1467, 1506..1736, 1830..1982, 2309..2439		

Seq. No.	47299	Seq. ID	OJ000314_07.0411.C6
Gene No.	100597	Strand	+
Start	916	End	1067
Name	OJ000314_07.0411.C6.o1.gs	Method	GENSCAN
Start	916	End	1067
GI	none	Score	.46
Exons	916..1067		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100598	Strand	+
Start	227	End	529
Name	OJ000314_07.0411.C7.o1.gs	Method	GENSCAN
Start	227	End	529
GI	none	Score	.64
Exons	227..529		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100599	Strand	+
Start	4227	End	11982
Name	OJ000314_07.0411.C7.o3.gs	Method	GENSCAN
Start	4227	End	10790
GI	none	Score	.69
Exons	4227..4273, 5167..5327, 5368..5564, 5676..5854, 6589..8009, 8072..8253, 8308..8457, 8713..9006, 9018..10790		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100599	Strand	+
Start	4227	End	11982
Name	OJ000314_07.0411.C7.o1.np	Method	AAT/NAP
Start	6662	End	11982
GI	5922631	Score	5525
Exons	6662..6786, 7045..7289, 7548..7760, 7806..8372, 8415..8566, 8693..11982		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100600	Strand	+
Start	16312	End	20960
Name	OJ000314_07.0411.C7.o7.gs	Method	GENSCAN
Start	16312	End	20960
GI	none	Score	.63
Exons	16312..16342, 17303..17502, 19252..19338, 20503..20606, 20768..20960		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100600	Strand	+
Start	16312	End	20960
Name	OJ000314_07.0411.C7.o3.np	Method	AAT/NAP
Start	18036	End	19828
GI	1707015	Score	45
Exons	18036..18223, 19809..19828		

GI Descrip. (U78721) putative protein phosphatase 2C [Arabidopsis thaliana]

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100601	Strand	-
Start	11153	End	11997
Name	OJ000314_07.0411.C7.o4.gs	Method	GENSCAN
Start	11153	End	11997
GI	none	Score	.89
Exons	11153..11488, 11568..11624, 11944..11997		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100602	Strand	-
Start	12339	End	15255
Name	OJ000314_07.0411.C7.o5.gs	Method	GENSCAN
Start	12339	End	14336
GI	none	Score	.65
Exons	12339..12770, 13290..13405, 13555..13913, 13996..14336		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100602	Strand	-
Start	12339	End	15255
Name	OJ000314_07.0411.C7.o2.np	Method	AAT/NAP
Start	12342	End	15255
GI	6691716	Score	2639
Exons	12342..12790, 12849..12962, 13113..13215, 13290..13477, 13555..13734, 13811..13913, 13996..14170, 14367..15255		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100602	Strand	-
Start	12339	End	15255
Name	OJ000314_07.0411.C7.o6.gs	Method	GENSCAN
Start	14491	End	15255
GI	none	Score	.87
Exons	14491..15255		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100603	Strand	-
Start	17423	End	20091
Name	OJ000314_07.0411.C7.o4.np	Method	AAT/NAP
Start	17423	End	20091
GI	6815109	Score	186
Exons	17423..17476, 19775..20091		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100603	Strand	-
Start	17423	End	20091
Name	OJ000314_07.0411.C7.o5.np	Method	AAT/NAP
Start	19563	End	20073
GI	6815109	Score	172
Exons	19563..20073		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7

Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o6.tw	Method	TBLASTX:Wheat
Start	998	End	1387
GI	none	Score	153
Exons	998..1195, 1014..1196, 1220..1387, 1238..1357, 1248..1379		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o4.tm	Method	TBLASTX:Maize
Start	1106	End	1726
GI	none	Score	111
Exons	1106..1195, 1226..1516, 1293..1466, 1543..1563, 1604..1726, 1608..1721		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o9.tw	Method	TBLASTX:Wheat
Start	5946	End	21110
GI	none	Score	56
Exons	5946..6098, 20748..20930, 20948..21052, 20951..21046, 20965..21075, 21033..21110		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o7.tw	Method	TBLASTX:Wheat
Start	7978	End	8379
GI	none	Score	279
Exons	7978..8379		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o8.tw	Method	TBLASTX:Wheat
Start	8978	End	9225
GI	none	Score	261
Exons	8978..9220, 8979..9221, 8988..9224, 9061..9225		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o3.tm	Method	TBLASTX:Maize
Start	9000	End	9356
GI	none	Score	335
Exons	9000..9356, 9041..9220, 9275..9346		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o1.tw	Method	TBLASTX:Wheat
Start	9225	End	9644
GI	none	Score	509
Exons	9225..9644, 9225..9641, 9272..9643		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o2.tm	Method	TBLASTX:Maize
Start	9384	End	9767
GI	none	Score	380
Exons	9384..9767, 9393..9683, 9422..9766		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o1.ts	Method	TBLASTX:Soybean
Start	9489	End	9893
GI	none	Score	305
Exons	9489..9893, 9536..9886		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o2.tw	Method	TBLASTX:Wheat
Start	9690	End	10115
GI	none	Score	406
Exons	9690..10115		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o2.ts	Method	TBLASTX:Soybean
Start	10146	End	10534
GI	none	Score	88
Exons	10146..10250, 10154..10534, 10290..10532		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o3.tw	Method	TBLASTX:Wheat
Start	10155	End	10577
GI	none	Score	402
Exons	10155..10577, 10160..10501		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o9.tm	Method	TBLASTX:Maize
Start	10208	End	10481
GI	none	Score	126
Exons	10208..10378, 10209..10379, 10383..10481, 10415..10480		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o11.tw	Method	TBLASTX:Wheat
Start	10593	End	10929
GI	none	Score	135
Exons	10593..10727, 10626..10766, 10794..10874, 10876..10929		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7

Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o1.tm	Method	TBLASTX:Maize
Start	10888	End	11215
GI	none	Score	56
Exons	10888..10938, 10934..11215, 10936..11214		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o5.tw	Method	TBLASTX:Wheat
Start	11024	End	11386
GI	none	Score	369
Exons	11024..11386, 11029..11370		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o4.tw	Method	TBLASTX:Wheat
Start	11393	End	12006
GI	none	Score	155
Exons	11393..11569, 11413..11481, 11568..11684, 11569..11883, 11875..12006		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o7.tm	Method	TBLASTX:Maize
Start	11713	End	11970
GI	none	Score	157
Exons	11713..11886, 11811..11885, 11865..11927, 11866..11970		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o10.tw	Method	TBLASTX:Wheat
Start	14845	End	15132
GI	none	Score	206
Exons	14845..15132		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o5.tm	Method	TBLASTX:Maize
Start	20631	End	21016
GI	none	Score	250
Exons	20631..20918, 20636..20905, 20935..20988, 20948..21016		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o8.tm	Method	TBLASTX:Maize
Start	21188	End	21457
GI	none	Score	194
Exons	21188..21457, 21190..21336		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7

Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o8.gs	Method	GENSCAN
Start	21905	End	22646
GI	none	Score	.85
Exons	21905..21924, 22073..22145, 22374..22646		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o1.gp	Method	AAT/GAP
Start	21941	End	22231
GI	15591_1.R1084	Score	417
Exons	21941..22231		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o6.np	Method	AAT/NAP
Start	22362	End	22877
GI	6907106	Score	431
Exons	22362..22549, 22623..22877		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47300	Seq. ID	OJ000314_07.0411.C7
Gene No.	100604	Strand	-
Start	21905	End	22877
Name	OJ000314_07.0411.C7.o6.tm	Method	TBLASTX:Maize
Start	22459	End	22809
GI	none	Score	163
Exons	22459..22506, 22460..22591, 22545..22592, 22547..22606, 22596..22739, 22612..22809, 22696..22776		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100605	Strand	+
Start	103	End	2990
Name	OJ000314_07.0411.C8.o1.gs	Method	GENSCAN
Start	103	End	2990
GI	none	Score	.43
Exons	103..427, 438..618, 2973..2990		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100606	Strand	+
Start	8009	End	8398
Name	OJ000314_07.0411.C8.o3.gs	Method	GENSCAN
Start	8009	End	8398
GI	none	Score	.73
Exons	8009..8398		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100607	Strand	-
Start	4122	End	7045
Name	OJ000314_07.0411.C8.o2.gs	Method	GENSCAN
Start	4122	End	6467

GI	none	Score	.91
Exons	4122..6467		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100607	Strand	-
Start	4122	End	7045
Name	OJ000314_07.0411.C8.o1.np	Method	AAT/NAP
Start	4143	End	7045
GI	3413481	Score	1260
Exons	4143..6333, 6978..7045		
GI Descrip.	(AJ006786) serine protease [Lycopersicon esculentum]		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o3.tm	Method	TBLASTX:Maize
Start	4145	End	4755
GI	none	Score	114
Exons	4145..4195, 4266..4391, 4428..4478, 4545..4754, 4588..4755		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o1.ts	Method	TBLASTX:Soybean
Start	4545	End	5999
GI	none	Score	93
Exons	4545..4655, 4671..4829, 4711..4833, 4875..5030, 4876..4983, 5049..5258, 5307..5555, 5583..5693, 5745..5795, 5862..5999		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o1.tc	Method	TBLASTX:Cress
Start	4551	End	5034
GI	none	Score	38
Exons	4551..4637, 4591..4638, 4668..4829, 4669..4833, 4863..5027, 4873..5034		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o4.tw	Method	TBLASTX:Wheat
Start	4680	End	4979
GI	none	Score	75
Exons	4680..4829, 4711..4821, 4866..4925, 4870..4926, 4893..4979		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o1.tm	Method	TBLASTX:Maize
Start	4755	End	6005
GI	none	Score	82
Exons	4755..4829, 4759..4830, 4857..5063, 4858..5103, 4986..5189, 5059..5190, 5334..5696, 5398..5556, 5590..5697, 5760..5795, 5761..5796, 5892..6005, 5893..5949		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8

Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o5.tw	Method	TBLASTX:Wheat
Start	5316	End	5573
GI	none	Score	186
Exons	5316..5573		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o2.tc	Method	TBLASTX:Cress
Start	5355	End	5651
GI	none	Score	120
Exons	5355..5651, 5428..5616		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o2.tw	Method	TBLASTX:Wheat
Start	5595	End	5969
GI	none	Score	67
Exons	5595..5783, 5596..5697, 5754..5795, 5761..5796, 5856..5969, 5896..5958		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o2.np	Method	AAT/NAP
Start	9190	End	10296
GI	6630696	Score	1764
Exons	9190..10296		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o1.tw	Method	TBLASTX:Wheat
Start	9326	End	9801
GI	none	Score	332
Exons	9326..9712, 9328..9711, 9727..9801, 9728..9796, 9741..9800		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o3.ts	Method	TBLASTX:Soybean
Start	9454	End	9795
GI	none	Score	89
Exons	9454..9663, 9527..9658, 9676..9795, 9692..9760		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o2.tm	Method	TBLASTX:Maize
Start	9657	End	10005
GI	none	Score	91

Exons 9657..9905, 9658..10005, 9659..9982, 9667..9999

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o2.ts	Method	TBLASTX:Soybean
Start	9805	End	10156
GI	none	Score	74
Exons	9805..9987, 9808..9996, 9997..10155, 10046..10156		

Seq. No.	47301	Seq. ID	OJ000314_07.0411.C8
Gene No.	100608	Strand	-
Start	9190	End	10296
Name	OJ000314_07.0411.C8.o3.tw	Method	TBLASTX:Wheat
Start	10009	End	10295
GI	none	Score	59
Exons	10009..10218, 10040..10141, 10233..10295		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100609	Strand	+
Start	119	End	241
Name	OJ000314_07.0411.C9.o1.gs	Method	GENSCAN
Start	119	End	241
GI	none	Score	.99
Exons	119..241		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100610	Strand	-
Start	1	End	2015
Name	OJ000314_07.0411.C9.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	6630696	Score	2478
Exons	1..1526		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100610	Strand	-
Start	1	End	2015
Name	OJ000314_07.0411.C9.o2.gs	Method	GENSCAN
Start	520	End	2015
GI	none	Score	.51
Exons	520..668, 779..1722, 1864..2015		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100610	Strand	-
Start	1	End	2015
Name	OJ000314_07.0411.C9.o1.gp	Method	AAT/GAP
Start	586	End	1423
GI	101595_1.R1084	Score	1239
Exons	586..668, 784..1423		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100610	Strand	-

Start	1	End	2015
Name	OJ000314_07.0411.C9.o2.gp	Method	AAT/GAP
Start	784	End	1484
GI	101595_1.R1084	Score	1279
Exons	784..1484		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100611	Strand	-
Start	3115	End	3199
Name	OJ000314_07.0411.C9.o1.tm	Method	TBLASTX:Maize
Start	309	End	653
GI	none	Score	361
Exons	309..350, 379..651, 379..651, 380..652, 380..652, 381..653		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100611	Strand	-
Start	3115	End	3199
Name	OJ000314_07.0411.C9.o2.tm	Method	TBLASTX:Maize
Start	1176	End	1484
GI	none	Score	139
Exons	1176..1484, 1179..1370, 1241..1384, 1255..1437		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100611	Strand	-
Start	3115	End	3199
Name	OJ000314_07.0411.C9.o1.tw	Method	TBLASTX:Wheat
Start	1235	End	1607
GI	none	Score	161
Exons	1235..1396, 1236..1520, 1255..1446, 1497..1598, 1518..1607		

Seq. No.	47302	Seq. ID	OJ000314_07.0411.C9
Gene No.	100611	Strand	-
Start	3115	End	3199
Name	OJ000314_07.0411.C9.o3.gs	Method	GENSCAN
Start	3115	End	3199
GI	none	Score	.7
Exons	3115..3199		

Seq. No.	47303	Seq. ID	OJ000314_07.0411.C10
Gene No.	100612	Strand	-
Start	2453	End	3021
Name	OJ000314_07.0411.C10.o1.gs	Method	GENSCAN
Start	2453	End	2968
GI	none	Score	.91
Exons	2453..2603, 2698..2762, 2861..2968		

Seq. No.	47303	Seq. ID	OJ000314_07.0411.C10
Gene No.	100612	Strand	-
Start	2453	End	3021
Name	OJ000314_07.0411.C10.o1.np	Method	AAT/NAP
Start	2694	End	3021
GI	7488797	Score	133
Exons	2694..2762, 2861..3021		
GI Descrip.	DNA-binding protein PD3, chloroplast - garden pea gi|2213540|emb|CAA67296.1| (X98744) chloroplast DNA-binding		

protein PD3 [Pisum sativum]

Seq. No.	47303	Seq. ID	OJ000314_07.0411.C10
Gene No.	100612	Strand	-
Start	2453	End	3021
Name	OJ000314_07.0411.C10.o1.tm	Method	TBLASTX:Maize
Start	2707	End	3001
GI	none	Score	52
Exons	2707..2757, 2709..2774, 2851..2982, 2855..2986, 2858..3001		

Seq. No.	47303	Seq. ID	OJ000314_07.0411.C10
Gene No.	100612	Strand	-
Start	2453	End	3021
Name	OJ000314_07.0411.C10.o1.gp	Method	AAT/GAP
Start	2899	End	3021
GI	LIB3433-031-P1-K1-B2	Score	150
Exons	2899..3021		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o1.gp	Method	AAT/GAP
Start	1	End	604
GI	LIB3433-031-P1-K1-B2	Score	673
Exons	1..126, 229..301, 390..604		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o1.np	Method	AAT/NAP
Start	1	End	5835
GI	7486103	Score	1301
Exons	1..126, 229..356, 385..529, 877..1042, 1240..1572, 2000..2495, 2545..2777, 2861..2917, 2996..3131, 3245..3348, 3583..3686, 5713..5835		
GI Descrip.	hypothetical protein F24O1.2 - Arabidopsis thaliana gi|2781345|gb|AAB96846.1| (AC003113) F24O1.2 [Arabidopsis thaliana]		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1414
GI	none	Score	132
Exons	3..128, 41..130, 205..303, 206..304, 206..304, 387..518, 388..504, 390..506, 941..1048, 1229..1276, 1237..1413,		

1238..1414, 1304..1414

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o2.tm	Method	TBLASTX:Maize
Start	3	End	512
GI	none	Score	145
Exons	3..128, 5..127, 206..304, 206..304, 232..306, 387..509, 388..501, 390..512		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o1.gs	Method	GENSCAN
Start	357	End	8620
GI	none	Score	.8
Exons	357..736, 835..1042, 1240..1596, 2000..2777, 2861..2924, 3003..3135, 3807..3932, 6818..6920, 7918..8009, 8564..8620		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o3.tm	Method	TBLASTX:Maize
Start	588	End	1426
GI	none	Score	60
Exons	588..680, 590..667, 695..736, 920..1051, 923..1048, 1236..1418, 1237..1425, 1238..1426, 1238..1426		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o1.tc	Method	TBLASTX:Cress
Start	1237	End	1510
GI	none	Score	227
Exons	1237..1266, 1267..1509, 1268..1510		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o1.tm	Method	TBLASTX:Maize
Start	2061	End	2777
GI	none	Score	170
Exons	2061..2171, 2065..2247, 2066..2314, 2067..2243, 2068..2253, 2340..2504, 2348..2494, 2661..2777, 2663..2776		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o2.ts	Method	TBLASTX:Soybean
Start	2093	End	2777
GI	none	Score	103
Exons	2093..2266, 2094..2261, 2331..2507, 2354..2506, 2654..2776, 2655..2777		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-

Start	1	End	8620
Name	OJ000314_07.0411.C11.o4.tm	Method	TBLASTX:Maize
Start	3291	End	3708
GI	none	Score	74
Exons	3291..3356, 3291..3347, 3293..3349, 3560..3694, 3564..3707, 3568..3705, 3580..3708		

Seq. No.	47304	Seq. ID	OJ000314_07.0411.C11
Gene No.	100613	Strand	-
Start	1	End	8620
Name	OJ000314_07.0411.C11.o2.np	Method	AAT/NAP
Start	3521	End	5259
GI	7488175	Score	59
Exons	3521..3585, 4723..4877, 4984..5259		
GI Descrip.	probable retrovirus-related polyprotein - Arabidopsis thaliana gi|2244802|emb|CAB10225.1| (Z97336) retrovirus-related like polyprotein [Arabidopsis thaliana] gi|7268152|emb|CAB78488.1| (AL161539) retrovirus-related like polyprotein [Arabidopsis thaliana]		

Seq. No.	47305	Seq. ID	OJ000314_07.0411.C12
Gene No.	100614	Strand	+
Start	150	End	799
Name	OJ000314_07.0411.C12.o1.gs	Method	GENSCAN
Start	150	End	799
GI	none	Score	.94
Exons	150..271, 309..799		

Seq. No.	47305	Seq. ID	OJ000314_07.0411.C12
Gene No.	100615	Strand	-
Start	9462	End	12079
Name	OJ000314_07.0411.C12.o3.gs	Method	GENSCAN
Start	9462	End	11942
GI	none	Score	.8
Exons	9462..9633, 10036..10201, 10290..10426, 10923..11001, 11037..11112, 11244..11405, 11745..11828, 11850..11942		

Seq. No.	47305	Seq. ID	OJ000314_07.0411.C12
Gene No.	100615	Strand	-
Start	9462	End	12079
Name	OJ000314_07.0411.C12.o1.tm	Method	TBLASTX:Maize
Start	9957	End	10403
GI	none	Score	138
Exons	9957..10211, 9959..10216, 9960..10211, 9994..10212, 10289..10339, 10290..10340, 10294..10338, 10299..10343, 10345..10398, 10346..10390, 10347..10403		

Seq. No.	47305	Seq. ID	OJ000314_07.0411.C12
Gene No.	100615	Strand	-
Start	9462	End	12079
Name	OJ000314_07.0411.C12.o2.tm	Method	TBLASTX:Maize
Start	11041	End	11381
GI	none	Score	60
Exons	11041..11142, 11051..11122, 11052..11147, 11113..11145, 11238..11381, 11244..11378		

Seq. No.	47305	Seq. ID	OJ000314_07.0411.C12

Gene No.	100615	Strand	-
Start	9462	End	12079
Name	OJ000314_07.0411.C12.o1.gp	Method	AAT/GAP
Start	11244	End	12079
GI	2310129	Score	532
Exons	11244..11405, 11850..11942, 12031..12079		

Seq. No.	47306	Seq. ID	OJ000314_03.0412.C1
Gene No.	100616	Strand	+
Start	1	End	4293
Name	OJ000314_03.0412.C1.o1.np	Method	AAT/NAP
Start	1	End	4293
GI	7485795	Score	104
Exons	1..248, 958..1099, 1741..1869, 4268..4293		
GI Descrip.	hypothetical protein F19H22.150 - Arabidopsis thaliana gi|4539324|emb|CAB38825.1| (AL035679) kinesin like protein [Arabidopsis thaliana] gi|7270888|emb|CAB80568.1| (AL161594) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	47306	Seq. ID	OJ000314_03.0412.C1
Gene No.	100616	Strand	+
Start	1	End	4293
Name	OJ000314_03.0412.C1.o1.gs	Method	GENSCAN
Start	80	End	3577
GI	none	Score	.87
Exons	80..224, 359..514, 926..1153, 1958..2083, 2178..2228, 3431..3577		

Seq. No.	47306	Seq. ID	OJ000314_03.0412.C1
Gene No.	100616	Strand	+
Start	1	End	4293
Name	OJ000314_03.0412.C1.o2.tm	Method	TBLASTX:Maize
Start	352	End	990
GI	none	Score	179
Exons	352..513, 356..514, 356..526, 937..990		

Seq. No.	47306	Seq. ID	OJ000314_03.0412.C1
Gene No.	100616	Strand	+
Start	1	End	4293
Name	OJ000314_03.0412.C1.o1.tm	Method	TBLASTX:Maize
Start	1056	End	2234
GI	none	Score	77
Exons	1056..1145, 1056..1154, 1064..1147, 1667..1870, 1731..1865, 1732..1872, 1949..2014, 1952..2080, 1999..2079, 2178..2234, 2181..2231		

Seq. No.	47306	Seq. ID	OJ000314_03.0412.C1
Gene No.	100616	Strand	+
Start	1	End	4293
Name	OJ000314_03.0412.C1.o1.gp	Method	AAT/GAP
Start	1768	End	3578
GI	33135_1.R1084	Score	714
Exons	1768..1869, 1958..2083, 2178..2228, 3431..3578		
GI Descrip.	'4539324/emb|CAB38825.1| 5.0e-15 (AL035679) kinesin like protein [Arabidopsis thaliana]'		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100617	Strand	+

Start	1	End	11215
Name	OJ000314_03.0412.C3.o1.np	Method	AAT/NAP
Start	1	End	11215
GI	7506276	Score	55
Exons	1..94, 8723..8892, 10307..10352, 11166..11215		
GI Descrip.	hypothetical protein R04E5.8 - Caenorhabditis elegans gi|1109849|gb|AAC48181.1| (U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100617	Strand	+
Start	1	End	11215
Name	OJ000314_03.0412.C3.o2.gp	Method	AAT/GAP
Start	2802	End	2881
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	2802..2881		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100617	Strand	+
Start	1	End	11215
Name	OJ000314_03.0412.C3.o3.gs	Method	GENSCAN
Start	4370	End	5372
GI	none	Score	.5
Exons	4370..4412, 4862..4886, 5075..5372		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100618	Strand	-
Start	22	End	878
Name	OJ000314_03.0412.C3.o1.gp	Method	AAT/GAP
Start	22	End	693
GI	none	Score	1240
Exons	22..693		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100618	Strand	-
Start	22	End	878
Name	OJ000314_03.0412.C3.o1.gs	Method	GENSCAN
Start	121	End	878
GI	none	Score	.95
Exons	121..423, 867..878		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100619	Strand	-
Start	7326	End	7722
Name	OJ000314_03.0412.C3.o4.gs	Method	GENSCAN
Start	7326	End	7722
GI	none	Score	.67
Exons	7326..7519, 7617..7722		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100620	Strand	-
Start	10185	End	10350
Name	OJ000314_03.0412.C3.o2.np	Method	AAT/NAP
Start	10185	End	10350

GI	7340920	Score	126
Exons	10185..10350		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47307	Seq. ID	OJ000314_03.0412.C3
Gene No.	100621	Strand	-
Start	10820	End	10917
Name	OJ000314_03.0412.C3.o3.np	Method	AAT/NAP
Start	10820	End	10917
GI	6006359	Score	64
Exons	10820..10917		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100622	Strand	+
Start	1	End	126
Name	OJ000314_03.0412.C4.o1.np	Method	AAT/NAP
Start	1	End	126
GI	7340920	Score	155
Exons	1..126		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100623	Strand	+
Start	386	End	8734
Name	OJ000314_03.0412.C4.o1.gs	Method	GENSCAN
Start	386	End	8734
GI	none	Score	.75
Exons	386..636, 729..866, 1302..1342, 2055..2171, 2574..2668, 2741..2834, 3184..3315, 3783..3895, 4035..4158, 4476..4575, 5273..5370, 5444..5556, 5657..5780, 5985..6098, 8618..8734		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100623	Strand	+
Start	386	End	8734
Name	OJ000314_03.0412.C4.o2.np	Method	AAT/NAP
Start	386	End	5850
GI	7485355	Score	641
Exons	386..885, 2027..2171, 2371..2490, 2574..2668, 2741..2834, 3184..3315, 3783..3895, 5657..5850		
GI Descrip.	hypothetical protein F10M6.180 - Arabidopsis thaliana gi|2864625|emb|CAA16972.1| (AL021811) putative protein [Arabidopsis thaliana] gi|7270122|emb|CAB79936.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100623	Strand	+
Start	386	End	8734
Name	OJ000314_03.0412.C4.o1.gp	Method	AAT/GAP
Start	2626	End	4073
GI	2309937	Score	704
Exons	2626..2668, 2741..2834, 3184..3315, 3783..3895, 4035..4073		
GI Descrip.	2864625/emb|CAA16972| 6.0e-33 (AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100623	Strand	+

Start	386	End	8734
Name	OJ000314_03.0412.C4.o2.gp	Method	AAT/GAP
Start	4480	End	4777
GI	LIB3433-044-P1-K1-C11	Score	331
Exons	4480..4592, 4675..4777		
GI Descrip.	'3249085 1.0e-10 (AC004473) T13D8.31 [Arabidopsis thaliana]'		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100624	Strand	+
Start	9767	End	11371
Name	OJ000314_03.0412.C4.o2.ts	Method	TBLASTX:Soybean
Start	2407	End	4912
GI	none	Score	100
Exons	2407..2493, 2409..2495, 2574..2666, 2739..2792, 4539..4595, 4547..4594, 4672..4764, 4859..4912		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100624	Strand	+
Start	9767	End	11371
Name	OJ000314_03.0412.C4.o2.tm	Method	TBLASTX:Maize
Start	2413	End	4767
GI	none	Score	87
Exons	2413..2493, 2436..2483, 2561..2599, 2562..2663, 4441..4593, 4458..4622, 4485..4595, 4666..4767, 4672..4767		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100624	Strand	+
Start	9767	End	11371
Name	OJ000314_03.0412.C4.o1.tm	Method	TBLASTX:Maize
Start	2748	End	6122
GI	none	Score	74
Exons	2748..2819, 2795..2842, 3235..3324, 3780..3896, 4018..4161, 4867..4935, 4868..4936, 4930..4965, 5242..5373, 5245..5373, 5441..5578, 5444..5557, 5467..5562, 5657..5842, 5658..5846, 5982..6101, 5985..6122, 5986..6105, 6026..6109		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100624	Strand	+
Start	9767	End	11371
Name	OJ000314_03.0412.C4.o1.ts	Method	TBLASTX:Soybean
Start	3232	End	5807
GI	none	Score	105
Exons	3232..3378, 3756..3896, 4030..4155, 4050..4109, 5302..5373, 5443..5538, 5444..5557, 5628..5744, 5657..5806, 5658..5807		

Seq. No.	47308	Seq. ID	OJ000314_03.0412.C4
Gene No.	100624	Strand	+
Start	9767	End	11371
Name	OJ000314_03.0412.C4.o3.np	Method	AAT/NAP
Start	9767	End	11371
GI	4887742	Score	80
Exons	9767..9891, 11068..11371		
GI Descrip.	(AC006533) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47309	Seq. ID	OJ000314_03.0412.C5
Gene No.	100625	Strand	-
Start	260	End	4058

Name	OJ000314_03.0412.C5.o1.gs	Method	GENSCAN
Start	260	End	4058
GI	none	Score	.47
Exons	260..312, 1284..1531, 1596..1682, 3063..3170, 3978..4058		

Seq. No.	47309	Seq. ID	OJ000314_03.0412.C5
Gene No.	100625	Strand	-
Start	260	End	4058
Name	OJ000314_03.0412.C5.o1.gp	Method	AAT/GAP
Start	778	End	1119
GI	4138298	Score	297
Exons	778..976, 1075..1119		
GI Descrip.	4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	47309	Seq. ID	OJ000314_03.0412.C5
Gene No.	100625	Strand	-
Start	260	End	4058
Name	OJ000314_03.0412.C5.o1.np	Method	AAT/NAP
Start	3052	End	3594
GI	7523502	Score	163
Exons	3052..3210, 3501..3594		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47310	Seq. ID	OJ000314_03.0412.C6
Gene No.	100626	Strand	-
Start	447	End	1280
Name	OJ000314_03.0412.C6.o1.gs	Method	GENSCAN
Start	447	End	1204
GI	none	Score	.62
Exons	447..759, 981..1204		

Seq. No.	47310	Seq. ID	OJ000314_03.0412.C6
Gene No.	100626	Strand	-
Start	447	End	1280
Name	OJ000314_03.0412.C6.o1.np	Method	AAT/NAP
Start	450	End	1280
GI	6630685	Score	864
Exons	450..1280		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	47310	Seq. ID	OJ000314_03.0412.C6
Gene No.	100626	Strand	-
Start	447	End	1280
Name	OJ000314_03.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	477	End	1123
GI	none	Score	162
Exons	477..749, 478..750, 773..1123, 810..1115		

Seq. No.	47310	Seq. ID	OJ000314_03.0412.C6
Gene No.	100626	Strand	-
Start	447	End	1280
Name	OJ000314_03.0412.C6.o2.tw	Method	TBLASTX:Wheat
Start	508	End	832
GI	none	Score	53
Exons	508..630, 513..704, 513..689, 773..832		

Seq. No.	47310	Seq. ID	OJ000314_03.0412.C6
Gene No.	100626	Strand	-
Start	447	End	1280
Name	OJ000314_03.0412.C6.o1.ts	Method	TBLASTX:Soybean
Start	513	End	1105
GI	none	Score	56
Exons	513..698, 514..684, 773..1105, 810..917, 971..1054		

Seq. No.	47310	Seq. ID	OJ000314_03.0412.C6
Gene No.	100626	Strand	-
Start	447	End	1280
Name	OJ000314_03.0412.C6.o1.tw	Method	TBLASTX:Wheat
Start	869	End	1279
GI	none	Score	76
Exons	869..1126, 1151..1279		

Seq. No.	47311	Seq. ID	OJ000314_03.0412.C8
Gene No.	100627	Strand	+
Start	1	End	1843
Name	OJ000314_03.0412.C8.o1.np	Method	AAT/NAP
Start	1	End	1843
GI	7484881	Score	218
Exons	1..46, 166..341, 582..659, 1197..1326, 1809..1843		
GI Descrip.	cyclic nucleotide gated channel homolog F3I3.30 - Arabidopsis thaliana		

Seq. No.	47311	Seq. ID	OJ000314_03.0412.C8
Gene No.	100627	Strand	+
Start	1	End	1843
Name	OJ000314_03.0412.C8.o1.gs	Method	GENSCAN
Start	259	End	684
GI	none	Score	.77
Exons	259..341, 582..684		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100628	Strand	+
Start	1437	End	3070
Name	OJ000314_03.0412.C9.o1.gs	Method	GENSCAN
Start	1437	End	3070
GI	none	Score	.76
Exons	1437..1543, 2454..2511, 2540..2600, 3000..3070		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100629	Strand	-
Start	2696	End	5505
Name	OJ000314_03.0412.C9.o1.np	Method	AAT/NAP
Start	2696	End	5505
GI	1871180	Score	201
Exons	2696..2720, 3810..4094, 5398..5505		
GI Descrip.	(U90439) unknown protein [Arabidopsis thaliana]		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100629	Strand	-
Start	2696	End	5505
Name	OJ000314_03.0412.C9.o2.gs	Method	GENSCAN
Start	3750	End	5042

GI	none	Score	.82
Exons	3750..4182, 4781..4854, 4893..5042		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100630	Strand	-
Start	5423	End	9760
Name	OJ000314_03.0412.C9.o3.gs	Method	GENSCAN
Start	5423	End	9760
GI	none	Score	.7
Exons	5423..5625, 8064..8196, 9287..9378, 9730..9760		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100630	Strand	-
Start	5423	End	9760
Name	OJ000314_03.0412.C9.o1.gp	Method	AAT/GAP
Start	6754	End	6812
GI	4715947	Score	69
Exons	6754..6812		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o2.tm	Method	TBLASTX:Maize
Start	3844	End	4017
GI	none	Score	44
Exons	3844..3864, 3900..4016, 3901..4017		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o2.ts	Method	TBLASTX:Soybean
Start	3894	End	4022
GI	none	Score	132
Exons	3894..4022, 3895..4017		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o3.ts	Method	TBLASTX:Soybean
Start	10793	End	10944
GI	none	Score	114
Exons	10793..10933, 10801..10944, 10859..10924		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o4.gs	Method	GENSCAN
Start	10807	End	13492
GI	none	Score	.84
Exons	10807..11149, 11231..11389, 11488..11681, 11779..11971, 12066..13492		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o1.tm	Method	TBLASTX:Maize
Start	10818	End	12167
GI	none	Score	299
Exons	10818..11150, 10819..11151, 10820..11152, 11233..11388, 11233..11388, 11482..11682, 11496..11681, 11750..11851, 11772..11840, 11774..11845, 11779..11856, 11835..11972, 11836..11973, 11837..11974, 12063..12167, 12063..12161, 12065..12166		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o1.tc	Method	TBLASTX:Cress
Start	10825	End	11540
GI	none	Score	80
Exons	10825..10935, 10862..10906, 10945..11172, 10961..11152, 11215..11349, 11234..11314, 11317..11391, 11496..11540		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o2.np	Method	AAT/NAP
Start	10828	End	13284
GI	7340710	Score	844
Exons	10828..11149, 11231..11389, 11488..11681, 11779..11971, 12066..12268, 12899..13284		
GI Descrip.	(AL162507) putative protein [Arabidopsis thaliana]		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o1.ts	Method	TBLASTX:Soybean
Start	11017	End	12200
GI	none	Score	131
Exons	11017..11151, 11018..11152, 11231..11386, 11233..11391, 11233..11388, 11476..11664, 11482..11667, 11496..11681, 11782..11856, 11809..11973, 11813..11974, 12063..12200, 12065..12199		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o2.tc	Method	TBLASTX:Cress
Start	11863	End	12229
GI	none	Score	80
Exons	11863..11973, 11876..11947, 12063..12221, 12065..12229		

Seq. No.	47312	Seq. ID	OJ000314_03.0412.C9
Gene No.	100631	Strand	-
Start	10807	End	13492
Name	OJ000314_03.0412.C9.o3.tm	Method	TBLASTX:Maize
Start	12167	End	12691
GI	none	Score	127
Exons	12167..12310, 12168..12308, 12391..12690, 12458..12691		

Seq. No.	47313	Seq. ID	OJ000314_03.0412.C10
Gene No.	100632	Strand	-
Start	1495	End	3967
Name	OJ000314_03.0412.C10.o1.gs	Method	GENSCAN
Start	1495	End	3967
GI	none	Score	.64
Exons	1495..1602, 1862..2093, 2788..2919, 3903..3967		

Seq. No.	47314	Seq. ID	OJ000314_03.0412.C11
Gene No.	100633	Strand	-
Start	183	End	325
Name	OJ000314_03.0412.C11.o1.gs	Method	GENSCAN
Start	183	End	325
GI	none	Score	.66
Exons	183..325		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100634	Strand	+
Start	1	End	1218
Name	OJ000314_03.0412.C12.o1.np	Method	AAT/NAP
Start	1	End	1071
GI	7487496	Score	563
Exons	1..285, 382..528, 642..736, 829..1071		
GI Descrip.	hypothetical protein T28D5.40 - Arabidopsis thaliana gi|5731756|emb|CAB52557.1| (AL109819) putative protein [Arabidopsis thaliana] gi|7267476|emb|CAB77960.1| (AL161511) putative protein [Arabidopsis thaliana]		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100634	Strand	+
Start	1	End	1218
Name	OJ000314_03.0412.C12.o1.gs	Method	GENSCAN
Start	424	End	1071
GI	none	Score	.87
Exons	424..528, 642..739, 829..1071		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100634	Strand	+
Start	1	End	1218
Name	OJ000314_03.0412.C12.o1.gp	Method	AAT/GAP
Start	498	End	1218
GI	32466_1.R1084	Score	967
Exons	498..528, 642..739, 829..1218		
GI Descrip.	'5731756/emb|CAB52557.1| 1.0e-35 (AL109819) putative protein [Arabidopsis thaliana]'		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100635	Strand	+
Start	3479	End	13489
Name	OJ000314_03.0412.C12.o3.gs	Method	GENSCAN
Start	3479	End	12200
GI	none	Score	.58
Exons	3479..3529, 3893..3988, 4126..4222, 5356..5486, 5589..5744, 6449..6553, 6656..6685, 6771..6860, 8933..9056, 9893..9985, 10874..10966, 11455..11502, 12027..12108, 12143..12200		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100635	Strand	+
Start	3479	End	13489
Name	OJ000314_03.0412.C12.o2.np	Method	AAT/NAP
Start	5279	End	7492
GI	7430973	Score	218
Exons	5279..5486, 5562..5767, 5826..5908, 7440..7492		
GI Descrip.	quinone reductase homolog F18E5.200 - Arabidopsis thaliana gi|3080402|emb|CAA18722.1| (AL022603) putative NADPH quinone oxidoreductase [Arabidopsis thaliana] gi|4455266|emb|CAB36802.1| (AL035527) putative NADPH quinone oxidoreductase [Arabidopsis thaliana] gi|7268955|emb|CAB81265.1| (AL161555) putative NADPH quinone oxidoreductase [Arabidopsis thaliana]		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100635	Strand	+
Start	3479	End	13489
Name	OJ000314_03.0412.C12.o3.np	Method	AAT/NAP
Start	7458	End	12508
GI	4680183	Score	133
Exons	7458..7482, 9858..9997, 12487..12508		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100635	Strand	+
Start	3479	End	13489
Name	OJ000314_03.0412.C12.o4.np	Method	AAT/NAP
Start	9858	End	13489
GI	4680183	Score	119
Exons	9858..9993, 13467..13489		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100636	Strand	+
Start	22586	End	25655
Name	OJ000314_03.0412.C12.o6.np	Method	AAT/NAP
Start	21233	End	25643
GI	2147484	Score	1395
Exons	21233..21325, 22527..22680, 22810..22927, 23070..23255, 23374..23841, 23915..24016, 24116..24328, 24414..24578, 24671..24952, 25025..25130, 25243..25432, 25467..25643		
GI Descrip.	homeotic protein - Phalaenopsis sp gi|1173622 (U34743) homeobox protein [Phalaenopsis sp. 'hybrid SM9108']		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100636	Strand	+
Start	22586	End	25655
Name	OJ000314_03.0412.C12.o5.gs	Method	GENSCAN
Start	22586	End	25655
GI	none	Score	.83
Exons	22586..22779, 22810..22927, 23070..23255, 23374..23841, 23915..24013, 24116..24403, 24414..24591, 24690..24952, 25025..25114, 25233..25655		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100636	Strand	+
Start	22586	End	25655

Name	OJ000314_03.0412.C12.o2.gp	Method	AAT/GAP
Start	23057	End	23663
GI	uC-osf1cyp023c08b1	Score	911
Exons	23057..23255, 23374..23663		
GI Descrip.	'2147484/pir||S71477 1.0e-13 homeotic protein - Phalaenopsis sp >gi_1173622 (U34743) homeobox protein [Phalaenopsis sp. ''hybrid SM9108'']'		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100636	Strand	+
Start	22586	End	25655
Name	OJ000314_03.0412.C12.o3.gp	Method	AAT/GAP
Start	24531	End	24966
GI	3061105	Score	531
Exons	24531..24591, 24690..24966		
GI Descrip.	2147484/pir||S71477 1.0e-13 homeotic protein - Phalaenopsis sp >gi_1173622 (U34743) homeobox protein [Phalaenopsis sp. 'hybrid SM9108']		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100637	Strand	-
Start	1821	End	2444
Name	OJ000314_03.0412.C12.o2.gs	Method	GENSCAN
Start	1821	End	2444
GI	none	Score	.89
Exons	1821..2075, 2168..2302, 2331..2444		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100638	Strand	-
Start	9021	End	12035
Name	OJ000314_03.0412.C12.o5.np	Method	AAT/NAP
Start	9021	End	12035
GI	1076814	Score	196
Exons	9021..9091, 11577..12035		
GI Descrip.	maturase-related protein - maize (fragment) gi|840925 (U09987) maturase-related protein [Zea mays]		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100639	Strand	-
Start	12791	End	15801
Name	OJ000314_03.0412.C12.o1.tm	Method	TBLASTX:Maize
Start	160	End	1092
GI	none	Score	122
Exons	160..270, 165..275, 168..278, 380..529, 387..530, 387..509, 388..531, 494..550, 640..732, 641..736, 827..1087, 828..1088, 829..1089, 829..1092		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100639	Strand	-
Start	12791	End	15801
Name	OJ000314_03.0412.C12.o1.ts	Method	TBLASTX:Soybean
Start	165	End	1065
GI	none	Score	165
Exons	165..278, 167..238, 359..535, 387..509, 640..741, 641..736, 798..1064, 828..1064, 829..1065		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12

Gene No.	100639	Strand	-
Start	12791	End	15801
Name	OJ000314_03.0412.C12.o3.tc	Method	TBLASTX:Cress
Start	841	End	1061
GI	none	Score	247
Exons	841..1059, 843..1061		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100639	Strand	-
Start	12791	End	15801
Name	OJ000314_03.0412.C12.o3.tm	Method	TBLASTX:Maize
Start	5338	End	5910
GI	none	Score	80
Exons	5338..5427, 5352..5453, 5352..5456, 5459..5518, 5460..5513, 5568..5732, 5586..5720, 5588..5737, 5825..5857, 5826..5858, 5827..5859, 5857..5910, 5861..5908, 5862..5909		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100639	Strand	-
Start	12791	End	15801
Name	OJ000314_03.0412.C12.o2.tc	Method	TBLASTX:Cress
Start	5352	End	5910
GI	none	Score	87
Exons	5352..5453, 5562..5732, 5588..5743, 5826..5858, 5834..5857, 5857..5910, 5868..5909		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100639	Strand	-
Start	12791	End	15801
Name	OJ000314_03.0412.C12.o5.ts	Method	TBLASTX:Soybean
Start	5352	End	5910
GI	none	Score	87
Exons	5352..5453, 5585..5728, 5585..5743, 5586..5732, 5820..5858, 5834..5857, 5857..5910		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100639	Strand	-
Start	12791	End	15801
Name	OJ000314_03.0412.C12.o4.gs	Method	GENSCAN
Start	12791	End	15801
GI	none	Score	.61
Exons	12791..12983, 13107..13306, 13641..13775, 14097..14234, 14513..14582, 15746..15801		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100640	Strand	
Start	22814	End	25637
Name	OJ000314_03.0412.C12.o1.tc	Method	TBLASTX:Cress
Start	22814	End	25631
GI	none	Score	181
Exons	22814..22951, 22816..22926, 23064..23189, 23069..23188, 23181..23258, 23359..23460, 23915..24016, 24116..24241, 24142..24231, 24227..24349, 24283..24330, 24375..24464, 24413..24445, 24456..24575, 24691..24843, 24692..24844, 24821..24952, 24841..24939, 25022..25108, 25037..25129, 25239..25406, 25253..25444, 25499..25630, 25500..25631		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100640	Strand	
Start	22814	End	25637
Name	OJ000314_03.0412.C12.o4.tm	Method	TBLASTX:Maize
Start	22853	End	23478
GI	none	Score	123
Exons	22853..22951, 22855..22926, 23064..23189, 23072..23188, 23181..23258, 23359..23478		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100640	Strand	
Start	22814	End	25637
Name	OJ000314_03.0412.C12.o4.ts	Method	TBLASTX:Soybean
Start	22853	End	23478
GI	none	Score	114
Exons	22853..22945, 23064..23189, 23072..23188, 23181..23258, 23359..23478		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100640	Strand	
Start	22814	End	25637
Name	OJ000314_03.0412.C12.o2.ts	Method	TBLASTX:Soybean
Start	23565	End	24748
GI	none	Score	65
Exons	23565..23669, 23915..24016, 24115..24231, 24116..24232, 24226..24348, 24227..24349, 24456..24575, 24677..24748		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100640	Strand	
Start	22814	End	25637
Name	OJ000314_03.0412.C12.o2.tm	Method	TBLASTX:Maize
Start	24405	End	25622
GI	none	Score	66
Exons	24405..24452, 24456..24575, 24677..24844, 24679..24843, 24841..24945, 24842..24952, 25022..25108, 25037..25129, 25230..25280, 25239..25406, 25244..25417, 25376..25444, 25499..25621, 25500..25622		

Seq. No.	47315	Seq. ID	OJ000314_03.0412.C12
Gene No.	100640	Strand	
Start	22814	End	25637
Name	OJ000314_03.0412.C12.o3.ts	Method	TBLASTX:Soybean
Start	24841	End	25637
GI	none	Score	126
Exons	24841..24936, 24842..24952, 24986..25108, 25238..25408, 25239..25406, 25499..25630, 25500..25637		

Seq. No.	47316	Seq. ID	OJ000314_03.0412.C13
Gene No.	100641	Strand	+
Start	2251	End	11388
Name	OJ000314_03.0412.C13.o1.gs	Method	GENSCAN
Start	2251	End	11388
GI	none	Score	.47
Exons	2251..2472, 3314..3448, 5692..5713, 9247..9565, 9672..9744, 10277..10351, 11266..11388		

Seq. No.	47316	Seq. ID	OJ000314_03.0412.C13

Gene No.	100641	Strand	+
Start	2251	End	11388
Name	OJ000314_03.0412.C13.o1.np	Method	AAT/NAP
Start	3304	End	3454
GI	5852172	Score	146
Exons	3304..3454		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	47316	Seq. ID	OJ000314_03.0412.C13
Gene No.	100642	Strand	-
Start	12111	End	15967
Name	OJ000314_03.0412.C13.o2.np	Method	AAT/NAP
Start	12111	End	15967
GI	5777623	Score	1166
Exons	12111..12134, 13741..13982, 14787..15284, 15464..15597, 15846..15967		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	47316	Seq. ID	OJ000314_03.0412.C13
Gene No.	100642	Strand	-
Start	12111	End	15967
Name	OJ000314_03.0412.C13.o2.gs	Method	GENSCAN
Start	12902	End	15597
GI	none	Score	.62
Exons	12902..12975, 14612..14696, 14787..15189, 15225..15294, 15464..15597		

Seq. No.	47317	Seq. ID	OJ000314_03.0412.C14
Gene No.	100643	Strand	+
Start	2784	End	3038
Name	OJ000314_03.0412.C14.o1.gs	Method	GENSCAN
Start	2784	End	3038
GI	none	Score	.57
Exons	2784..3038		

Seq. No.	47317	Seq. ID	OJ000314_03.0412.C14
Gene No.	100644	Strand	+
Start	6800	End	6877
Name	OJ000314_03.0412.C14.o1.gp	Method	AAT/GAP
Start	6800	End	6877
GI	LIB3477-003-P1-K1-E9	Score	109
Exons	6800..6877		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47317	Seq. ID	OJ000314_03.0412.C14
Gene No.	100645	Strand	-
Start	3695	End	5164
Name	OJ000314_03.0412.C14.o1.np	Method	AAT/NAP
Start	3695	End	5164
GI	2341024	Score	189
Exons	3695..3872, 4529..5164		
GI Descrip.	(AC000104) F19P19.1 [Arabidopsis thaliana]		

Seq. No.	47318	Seq. ID	OJ000314_03.0412.C15
Gene No.	100646	Strand	+

Start	445	End	4828
Name	OJ000314_03.0412.C15.o1.gs	Method	GENSCAN
Start	445	End	4387
GI	none	Score	.43
Exons	445..603, 1987..2028, 3089..3366, 4202..4387		

Seq. No.	47318	Seq. ID	OJ000314_03.0412.C15
Gene No.	100646	Strand	+
Start	445	End	4828
Name	OJ000314_03.0412.C15.o1.np	Method	AAT/NAP
Start	4274	End	4828
GI	6969231	Score	87
Exons	4274..4387, 4730..4828		
GI Descrip.	(AF079872) cyclic nucleotide-gated calmodulin-binding ion channel [Nicotiana tabacum]		

Seq. No.	47319	Seq. ID	OJ000314_09.0405.C1
Gene No.	100647	Strand	-
Start	1	End	712
Name	OJ000314_09.0405.C1.o1.np	Method	AAT/NAP
Start	1	End	712
GI	6175166	Score	140
Exons	1..34, 86..138, 383..460, 621..712		
GI Descrip.	(AC011437) unknown protein [Arabidopsis thaliana]		

Seq. No.	47319	Seq. ID	OJ000314_09.0405.C1
Gene No.	100647	Strand	-
Start	1	End	712
Name	OJ000314_09.0405.C1.o1.gp	Method	AAT/GAP
Start	90	End	619
GI	14911_1.R1084	Score	534
Exons	90..138, 383..619		
GI Descrip.	'2342735 3.0e-42 (AC002341) unknown protein [Arabidopsis thaliana]'		

Seq. No.	47319	Seq. ID	OJ000314_09.0405.C1
Gene No.	100647	Strand	-
Start	1	End	712
Name	OJ000314_09.0405.C1.o1.gs	Method	GENSCAN
Start	90	End	535
GI	none	Score	.75
Exons	90..138, 383..535		

Seq. No.	47320	Seq. ID	OJ000314_09.0405.C4
Gene No.	100648	Strand	+
Start	12	End	548
Name	OJ000314_09.0405.C4.o1.gs	Method	GENSCAN
Start	12	End	548
GI	none	Score	.71
Exons	12..548		

Seq. No.	47320	Seq. ID	OJ000314_09.0405.C4
Gene No.	100649	Strand	-
Start	741	End	1042
Name	OJ000314_09.0405.C4.o1.tm	Method	TBLASTX:Maize
Start	6	End	338
GI	none	Score	469

Exons	6..338, 23..334		
Seq. No.	47320	Seq. ID	OJ000314_09.0405.C4
Gene No.	100649	Strand	-
Start	741	End	1042
Name	OJ000314_09.0405.C4.o2.tm	Method	TBLASTX:Maize
Start	341	End	633
GI	none	Score	273
Exons	341..544, 342..545, 565..633, 576..632		
Seq. No.	47320	Seq. ID	OJ000314_09.0405.C4
Gene No.	100649	Strand	-
Start	741	End	1042
Name	OJ000314_09.0405.C4.o1.gp	Method	AAT/GAP
Start	741	End	1042
GI	3106709	Score	584
Exons	741..1042		
Seq. No.	47321	Seq. ID	OJ000314_09.0405.C5
Gene No.	100650	Strand	+
Start	914	End	1630
Name	OJ000314_09.0405.C5.o1.gs	Method	GENSCAN
Start	914	End	1630
GI	none	Score	.6
Exons	914..1000, 1188..1272, 1332..1630		
Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100651	Strand	+
Start	437	End	1250
Name	OJ000314_09.0405.C6.o1.gs	Method	GENSCAN
Start	437	End	1250
GI	none	Score	.66
Exons	437..493, 1212..1250		
Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100652	Strand	+
Start	1933	End	2258
Name	OJ000314_09.0405.C6.o1.gp	Method	AAT/GAP
Start	1933	End	2258
GI	none	Score	523
Exons	1933..2258		
Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o2.gs	Method	GENSCAN
Start	2043	End	3548
GI	none	Score	.41
Exons	2043..3548		
Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o1.np	Method	AAT/NAP
Start	2046	End	3479
GI	6683052	Score	757
Exons	2046..3281, 3309..3479		

GI Descrip. (AB027455) anthocyanin 5-O-glucosyltransferase [Petunia x hybrida]

Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o1.ts	Method	TBLASTX:Soybean
Start	2052	End	3467
GI	none	Score	121
Exons	2052..2135, 2271..2435, 2290..2430, 2481..2615, 2895..3191, 3423..3467, 3424..3462		

Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o1.tc	Method	TBLASTX:Cress
Start	2064	End	3467
GI	none	Score	142
Exons	2064..2135, 2271..2435, 2275..2436, 2484..2624, 2488..2622, 2706..2822, 2895..3263, 2992..3120, 3423..3467		

Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o1.tw	Method	TBLASTX:Wheat
Start	2269	End	2615
GI	none	Score	135
Exons	2269..2436, 2271..2435, 2481..2615		

Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o1.tm	Method	TBLASTX:Maize
Start	2311	End	2610
GI	none	Score	174
Exons	2311..2436, 2316..2435, 2481..2609, 2482..2610		

Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o2.gp	Method	AAT/GAP
Start	2932	End	3503
GI	uC-osroM202040g09b1	Score	1107
Exons	2932..3503		

GI Descrip. '5803242/dbj|AP000399.1|AP000399 1.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'

Seq. No.	47322	Seq. ID	OJ000314_09.0405.C6
Gene No.	100653	Strand	-
Start	2043	End	3548
Name	OJ000314_09.0405.C6.o2.tm	Method	TBLASTX:Maize
Start	2985	End	3281
GI	none	Score	116
Exons	2985..3230, 3004..3120, 3219..3281, 3220..3270		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100654	Strand	+

Start	7017	End	17906
Name	OJ000314_09.0405.C7.o3.gs	Method	GENSCAN
Start	7017	End	16114
GI	none	Score	.45
Exons	7017..7059, 7379..7439, 8526..8715, 9583..9739, 10505..10694, 12053..12209, 12353..12389, 12892..13221, 13610..13659, 14596..14832, 15435..15470, 16097..16114		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100654	Strand	+
Start	7017	End	17906
Name	OJ000314_09.0405.C7.o1.gp	Method	AAT/GAP
Start	8301	End	8358
GI	16490_1.R1084	Score	81
Exons	8301..8358		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100654	Strand	+
Start	7017	End	17906
Name	OJ000314_09.0405.C7.o2.gp	Method	AAT/GAP
Start	10172	End	12205
GI	21217_1.R1084	Score	917
Exons	10172..10336, 10505..10694, 12053..12205		
GI Descrip.	'2244709/dbj|BAA21116| 3.0e-28 (AB005295) HY5 [Arabidopsis thaliana] >gi_2251085_dbj_BAA21327_ (AB005456) HY5 [Arabidopsis thaliana]'		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100654	Strand	+
Start	7017	End	17906
Name	OJ000314_09.0405.C7.o3.gp	Method	AAT/GAP
Start	15180	End	16792
GI	none	Score	863
Exons	15180..15470, 16623..16792		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100654	Strand	+
Start	7017	End	17906
Name	OJ000314_09.0405.C7.o4.gs	Method	GENSCAN
Start	16689	End	17906
GI	none	Score	1
Exons	16689..17906		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100655	Strand	+
Start	19604	End	20601
Name	OJ000314_09.0405.C7.o5.gp	Method	AAT/GAP
Start	19604	End	20601
GI	none	Score	1164
Exons	19604..19933, 20316..20601		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100656	Strand	+
Start	21522	End	21908
Name	OJ000314_09.0405.C7.o6.gp	Method	AAT/GAP

Start	21522	End	21908
GI	701677	Score	702
Exons	21522..21908		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100657	Strand	+
Start	23789	End	24670
Name	OJ000314_09.0405.C7.o1.np	Method	AAT/NAP
Start	23789	End	24670
GI	7384806	Score	937
Exons	23789..24670		
GI Descrip.	(AB040502) serine acetyltransferase [Allium tuberosum]		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100658	Strand	+
Start	25256	End	28128
Name	OJ000314_09.0405.C7.o2.np	Method	AAT/NAP
Start	25256	End	28128
GI	4874298	Score	724
Exons	25256..25320, 25509..25665, 26032..26147, 27099..27180, 27331..27390, 27475..27582, 27663..27708, 27911..28128		
GI Descrip.	(AC006053) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100659	Strand	-
Start	4623	End	5438
Name	OJ000314_09.0405.C7.o2.gs	Method	GENSCAN
Start	4623	End	5438
GI	none	Score	.54
Exons	4623..5056, 5134..5347, 5409..5438		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100660	Strand	-
Start	17794	End	18069
Name	OJ000314_09.0405.C7.o4.gp	Method	AAT/GAP
Start	17794	End	18069
GI	none	Score	544
Exons	17794..18069		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100661	Strand	-
Start	22194	End	22570
Name	OJ000314_09.0405.C7.o7.gp	Method	AAT/GAP
Start	22194	End	22570
GI	none	Score	699
Exons	22194..22570		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o6.tm	Method	TBLASTX:Maize
Start	10242	End	12411
GI	none	Score	87
Exons	10242..10316, 10242..10316, 10320..10343, 10507..10536, 10508..10552, 10608..10697, 10647..10697, 12050..12208, 12051..12212, 12063..12212, 12301..12411, 12352..12411		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o3.tc	Method	TBLASTX:Cress
Start	10504	End	12212
GI	none	Score	62
Exons	10504..10554, 10663..10695, 12050..12208, 12051..12209, 12063..12212		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o6.ts	Method	TBLASTX:Soybean
Start	10504	End	12212
GI	none	Score	61
Exons	10504..10554, 10663..10695, 12050..12208, 12052..12210, 12063..12212		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o2.tw	Method	TBLASTX:Wheat
Start	12053	End	12212
GI	none	Score	190
Exons	12053..12202, 12063..12212		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o5.tm	Method	TBLASTX:Maize
Start	12968	End	13193
GI	none	Score	218
Exons	12968..13126, 12969..13139, 13097..13192, 13137..13193		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o1.tm	Method	TBLASTX:Maize
Start	16812	End	17447
GI	none	Score	626
Exons	16812..17285, 16817..16915, 16976..17020, 17207..17284, 17328..17447		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o3.ts	Method	TBLASTX:Soybean
Start	16812	End	17192
GI	none	Score	277
Exons	16812..17012, 16817..16915, 17052..17192		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o2.tc	Method	TBLASTX:Cress
Start	17100	End	17642
GI	none	Score	60